

# Low-voltage current and voltage transformers



We make energy measurable and take care of your future



[www.mbs-ag.com](http://www.mbs-ag.com)



# Quality

MBS has all important international approvals and certifications

GL (Germanischer Lloyd) certificate

UL certificate (Current transformer series CTB)

IPH (Institute „Prüffeld für elektrische Hochleistungstechnik“) approval

ISO 9001:2015 and ISO 50001:2011 certificate

PTB (Physikalisch-Technische Bundesanstalt) approval

GOST certificate

International approvals – Switzerland, Austria, Russia, Hungary, Czech Republic, Bulgaria, Romania, Slovakia Croatia and further countries.



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# Our philosophy

**More engagement // more service // more customer satisfaction**



## Our strategy

**Realizing today, on what others think of only tomorrow.**



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# Overview about our product groups

Low-voltage current transformers for industrial applications  
Accuracy classes 1; 0,5; 0,2s

from page 10



## CTM - Mini current transformer

from page 10

| Bus bar 1: | Bus bar 2: | Diameter: | Width:  | Current range: | Type: | Page:   |
|------------|------------|-----------|---------|----------------|-------|---------|
| -          | -          | 7,6 mm    | 27,5 mm | 30 ... 64 A    | CTM 7 | Page 10 |



## ASR - Tube current transformer

from page 12

| Bus bar 1: | Bus bar 2: | Diameter: | Width:  | Current range: | Type:     | Page:   |
|------------|------------|-----------|---------|----------------|-----------|---------|
| -          | -          | 14 mm     | 45 mm   | 40 ... 150 A   | ASR 14.3  | Page 13 |
| -          | -          | 21 mm     | 45 mm   | 50 ... 300 A   | ASR 20.3  | Page 14 |
| -          | -          | 21 mm     | 44 mm   | 60 ... 300 A   | ASR 201.3 | Page 15 |
| -          | -          | 22,8 mm   | 49,5 mm | 100 ... 500 A  | ASR 21.3  | Page 16 |
| -          | -          | 21,2 mm   | 50 mm   | 50 ... 600 A   | ASR 21.5  | Page 17 |
| -          | -          | 22,5 mm   | 61 mm   | 50 ... 600 A   | ASR 22.3  | Page 18 |
| -          | -          | 42 mm     | 71 mm   | 150 ... 800 A  | ASR 42.45 | Page 19 |

## ASG - Tube current transformer, resin hardened

from page 21

| Bus bar 1: | Bus bar 2: | Diameter: | Width: | Current range: | Type:     | Page:   |
|------------|------------|-----------|--------|----------------|-----------|---------|
| -          | -          | 20,8 mm   | 44 mm  | 60 ... 300 A   | ASG 210.3 | Page 21 |



## ASKL - Plug-in current transformer for fuse switch disconnectors, type InLine II of size 00 + 123

from page 22

|            |   |         |       |               |            |         |
|------------|---|---------|-------|---------------|------------|---------|
| 19 x 12 mm | - | 16,4 mm | 45 mm | 80 ... 160 A  | ASKL 19.34 | Page 23 |
| 31 x 12 mm | - | 18,6 mm | 60 mm | 250 ... 600 A | ASKL 31.34 | Page 24 |

## AS - Plug-in current transformer for fuse switch disconnectors, type SlimLine of size XR1

from page 25

| Bus bar 1: | Bus bar 2: | Diameter: | Width: | Current range: | Type:    | Page:   |
|------------|------------|-----------|--------|----------------|----------|---------|
| 17 x 6 mm  | -          | 15,2 mm   | 45 mm  | 75 ... 250 A   | AS 176.3 | Page 25 |

## ASK - Plug-in current transformer

from page 26

| Bus bar 1: | Bus bar 2:    | Diameter: | Width:  | Current range: | Type:     | Page:   |
|------------|---------------|-----------|---------|----------------|-----------|---------|
| 17 x 6 mm  | -             | 15,2 mm   | 45 mm   | 75 ... 250 A   | ASK 176.3 | Page 30 |
| 20 x 5 mm  | -             | 17,5 mm   | 49,5 mm | 60 ... 400 A   | ASK 205.3 | Page 31 |
| 20 x 10 mm | -             | 19,2 mm   | 61 mm   | 50 ... 500 A   | ASK 21.3  | Page 32 |
| 20 x 10 mm | -             | 20 mm     | 71 mm   | 40 ... 500 A   | ASK 421.4 | Page 33 |
| 30 x 10 mm | -             | 28 mm     | 50 mm   | 60 ... 500 A   | ASK 231.5 | Page 34 |
| 30 x 10 mm | 2x 20 x 10 mm | 26 mm     | 61 mm   | 50 ... 750 A   | ASK 31.3  | Page 35 |
| 30 x 10 mm | 2x 20 x 10 mm | 28 mm     | 61 mm   | 50 ... 750 A   | ASK 31.4  | Page 37 |
| 30 x 10 mm | 2x 20 x 10 mm | 28 mm     | 61 mm   | 40 ... 750 A   | ASK 31.5  | Page 39 |
| 30 x 10 mm | 20 x 13 mm    | 23 mm     | 95 mm   | 40 ... 750 A   | ASK 31.6  | Page 41 |
| 31 x 18 mm | -             | 26 mm     | 61 mm   | 60 ... 600 A   | ASK 318.3 | Page 42 |
| 40 x 10 mm | 2x 30 x 5 mm  | 32 mm     | 71 mm   | 50 ... 1000 A  | ASK 41.4  | Page 43 |
| 40 x 10 mm | 2x 30 x 5 mm  | 32 mm     | 86 mm   | 30 ... 750 A   | ASK 541.4 | Page 45 |
| 40 x 10 mm | 2x 30 x 5 mm  | 32 mm     | 71 mm   | 60 ... 1000 A  | ASK 41.5  | Page 47 |
| 40 x 12 mm | 32 x 18 mm    | 26 mm     | 61 mm   | 100 ... 750 A  | ASK 41.3  | Page 48 |
| 40 x 12 mm | 30 x 15 mm    | 30,5 mm   | 71 mm   | 50 ... 800 A   | ASK 412.4 | Page 49 |
| 40 x 12 mm | 30 x 15 mm    | 32 mm     | 95 mm   | 50 ... 1000 A  | ASK 41.6  | Page 51 |
| 50 x 10 mm | 2x 40 x 10 mm | 44 mm     | 86 mm   | 100 ... 1250 A | ASK 51.4  | Page 52 |
| 50 x 12 mm | 2x 40 x 10 mm | 40 mm     | 95 mm   | 100 ... 1250 A | ASK 51.6  | Page 54 |
| 60 x 10 mm | 2x 50 x 10 mm | 44 mm     | 86 mm   | 200 ... 1250 A | ASK 561.4 | Page 55 |
| 63 x 10 mm | 2x 50 x 10 mm | 44 mm     | 96 mm   | 200 ... 1200 A | ASK 61.4  | Page 56 |
| 60 x 10 mm | 2x 50 x 10 mm | 40 mm     | 95 mm   | 100 ... 1200 A | ASK 61.6  | Page 59 |
| 60 x 30 mm | 50 x 40 mm    | 44 mm     | 96 mm   | 300 ... 1600 A | ASK 63.4  | Page 61 |
| 60 x 30 mm | -             | 30 mm     | 88 mm   | 200 ... 2000 A | ASK 63.6  | Page 62 |
| 80 x 10 mm | 2x 60 x 10 mm | 55 mm     | 120 mm  | 400 ... 2000 A | ASK 81.4  | Page 63 |

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Low-voltage current transformers for industrial applications  
Accuracy classes 1; 0,5; 0,2s

from page 65



**ASK - Plug-in current transformer**

| Bus bar 1:     | Bus bar 2:     | Diameter: | Width: | Current range:  | Type:      | Page:   |
|----------------|----------------|-----------|--------|-----------------|------------|---------|
| 84 x 34 mm     | -              | 34 mm     | 96 mm  | 300 ... 2000 A  | ASK 83.4   | Page 65 |
| 100 x 10 mm    | 2x 80 x 10 mm  | 70 mm     | 130 mm | 500 ... 2000 A  | ASK 101.4  | Page 67 |
| 2x 100 x 10 mm | 3x 80 x 10 mm  | 85 mm     | 172 mm | 750 ... 3000 A  | ASK 103.3  | Page 69 |
| 103 x 41 mm    | -              | 40 mm     | 99 mm  | 400 ... 2000 A  | ASK 103.41 | Page 70 |
| 100 x 55 mm    | -              | 55 mm     | 129 mm | 600 ... 3000 A  | ASK 105.6  | Page 71 |
| 100 x 55 mm    | -              | 55 mm     | 129 mm | 2500 ... 4000 A | ASK 105.6N | Page 72 |
| 123 x 30 mm    | 3x 100 x 10 mm | 100 mm    | 172 mm | 750 ... 3000 A  | ASK 123.3  | Page 73 |
| 120 x 70 mm    | -              | 70 mm     | 159 mm | 1000 ... 2500 A | ASK 127.4  | Page 74 |
| 120 x 70 mm    | -              | 70 mm     | 205 mm | 1000 ... 6000 A | ASK 127.6  | Page 75 |
| 128 x 38 mm    | -              | 38 mm     | 100 mm | 400 ... 2500 A  | ASK 128.4  | Page 76 |
| 120 x 90 mm    | -              | 90 mm     | 250 mm | 1000 ... 7500 A | ASK 129.10 | Page 77 |
| 130 x 25 mm    | -              | 25 mm     | 180 mm | 300 ... 1600 A  | ASK 130.3  | Page 78 |
| 130 x 30 mm    | -              | 30 mm     | 180 mm | 300 ... 3200 A  | ASK 130.5  | Page 79 |
| 190 x 60 mm    | 3x 160 x 10 mm | -         | 266 mm | 1000 ... 4000 A | ASK 165.5  | Page 80 |
| 230 x 60 mm    | 3x 200 x 10 mm | -         | 306 mm | 1200 ... 5000 A | ASK 205.5  | Page 84 |

Low-voltage current transformers for industrial applications with screwless connection technology „Cage Clamp“ from page 88  
Accuracy classes 1; 0,5; 0,2s



**CTB - Plug-in current transformer with screwless connection technology „Cage Clamp“, UL certified from page 88**

| Bus bar 1:  | Bus bar 2: | Diameter: | Width: | Current range: | Type:      | Page:   |
|-------------|------------|-----------|--------|----------------|------------|---------|
| 30 x 10 mm  | 25 x 12 mm | 25,7 mm   | 60 mm  | 50 ... 750 A   | CTB 31.35  | Page 90 |
| 40 x 10 mm  | 30 x 15 mm | 31,8 mm   | 70 mm  | 75 ... 1000 A  | CTB 41.35  | Page 91 |
| 50 x 12 mm  | 40 x 30 mm | 43,7 mm   | 85 mm  | 100 ... 1250 A | CTB 51.35  | Page 92 |
| 63 x 10 mm  | 50 x 30 mm | 43,7 mm   | 95 mm  | 200 ... 1600 A | CTB 61.35  | Page 93 |
| 80 x 10 mm  | 60 x 30 mm | 54,7 mm   | 120 mm | 400 ... 2000 A | CTB 81.35  | Page 94 |
| 100 x 10 mm | 80 x 30 mm | 70 mm     | 130 mm | 400 ... 2500 A | CTB 101.35 | Page 95 |

Low-voltage current transformers for industrial applications  
Accuracy classes 1; 0,5; 0,2s

from page 96



**WSK - Wound current transformer**

from page 97

| Bus bar 1: | Bus bar 2: | Diameter: | Width: | Current range: | Type:     | Page:    |
|------------|------------|-----------|--------|----------------|-----------|----------|
| -          | -          | -         | 61 mm  | 1 ... 20 A     | WSK 30    | Page 98  |
| -          | -          | -         | 71 mm  | 1 ... 30 A     | WSK 40    | Page 99  |
| -          | -          | -         | 71 mm  | 30 ... 50 A    | WSK 40N   | Page 100 |
| -          | -          | -         | 71 mm  | 5 ... 30 A     | WSK 60    | Page 101 |
| -          | -          | -         | 136 mm | 25 ... 100 A   | WSK 70.6N | Page 102 |
| -          | -          | -         | 115 mm | 25 ... 150 A   | WSK 31.5  | Page 103 |



**KBR - Split-core current transformer designed for usage around isolated primary conductors**

from page 104

| Bus bar 1: | Bus bar 2: | Diameter:  | Width:  | Current range: | Type:   | Page:    |
|------------|------------|------------|---------|----------------|---------|----------|
| -          | -          | 18,5       | 36 mm   | 60 ... 250 A   | KBR 18S | Page 105 |
| -          | -          | 18,5       | 41,6 mm | 50 ... 250 A   | KBR 18  | Page 106 |
| -          | -          | 18,4 mm    | 49 mm   | 100 ... 250 A  | KBR 18L | Page 107 |
| -          | -          | 27,9 mm    | 49 mm   | 200 ... 500 A  | KBR 28  | Page 108 |
| -          | -          | 32,5 mm    | 59,2 mm | 100 ... 600 A  | KBR 32  | Page 109 |
| -          | -          | 42,4 mm    | 67 mm   | 250 ... 1000 A | KBR 42  | Page 110 |
| -          | -          | 2x 42,4 mm | 67 mm   | 250 ... 1000 A | KBR 42L | Page 111 |
| -          | -          | 44 mm      | 72,2 mm | 250 ... 1000 A | KBR 44  | Page 112 |

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# Overview about our product groups

Low-voltage current transformers for industrial applications  
Accuracy classes 1; 0,5; 0,2s

from page 114



## KBU - Split-core current transformer

from page 114

| Bus bar 1:  | Bus bar 2: | Diameter: | Width: | Current range:  | Type:   | Page:    |
|-------------|------------|-----------|--------|-----------------|---------|----------|
| 20 x 30 mm  | -          | 20 mm     | 93 mm  | 100 ... 400 A   | KBU 23  | Page 115 |
| 50 x 80 mm  | -          | 50 mm     | 125 mm | 250 ... 1000 A  | KBU 58  | Page 116 |
| 80 x 120 mm | -          | 80 mm     | 155 mm | 250 ... 1500 A  | KBU 812 | Page 117 |
| 80 x 160 mm | -          | 80 mm     | 195 mm | 1000 ... 5000 A | KBU 816 | Page 118 |



## KSU / SUSK - Summation current transformer

from page 119

| Inputs       | Width: | Current range: | Type: | Page:    |
|--------------|--------|----------------|-------|----------|
| 2 ... 3 Pcs. | 127 mm | 1 A or 5 A     | KSU   | Page 122 |
| 3 ... 8 Pcs. | 156 mm | 1 A or 5 A     | SUSK  | Page 123 |



## NH - Current transformer for fuse disconnectors of size 1, 2 and 3

from page 125

| Bus bar 1: | Bus bar 2: | Diameter: | Width: | Current range: | Type:  | Page:    |
|------------|------------|-----------|--------|----------------|--------|----------|
| 24 x 6 mm  | -          | -         | 52 mm  | 100 ... 300 A  | NH 6.1 | Page 127 |
| 30 x 6 mm  | -          | -         | 60 mm  | 100 ... 400 A  | NH 6.2 | Page 128 |
| 32 x 6 mm  | -          | -         | 74 mm  | 150 ... 600 A  | NH 6.3 | Page 129 |

## SASR - Protection tube current transformer

from page 130

| Bus bar 1: | Bus bar 2: | Diameter: | Width: | Current range: | Type:     | Page:    |
|------------|------------|-----------|--------|----------------|-----------|----------|
| -          | -          | 22,5 mm   | 61 mm  | 100 ... 300 A  | SASR 22.3 | Page 133 |



## SASK - Protection plug-in current transformer

| Bus bar 1:  | Bus bar 2:    | Diameter: | Width: | Current range: | Type:      | Page:    |
|-------------|---------------|-----------|--------|----------------|------------|----------|
| 20 x 10 mm  | -             | 19,2 mm   | 61 mm  | 125 ... 200 A  | SASK 21.3  | Page 134 |
| 20 x 10 mm  | -             | 20 mm     | 71 mm  | 100 ... 400 A  | SASK 421.4 | Page 135 |
| 30 x 10 mm  | 2x 20 x 10 mm | 28 mm     | 61 mm  | 75 ... 750 A   | SASK 31.5  | Page 136 |
| 30 x 10 mm  | 20 x 13 mm    | 23 mm     | 95 mm  | 50 ... 750 A   | SASK 31.6  | Page 137 |
| 40 x 10 mm  | 2x 30 x 5 mm  | 32 mm     | 71 mm  | 100 ... 750 A  | SASK 41.4  | Page 141 |
| 40 x 10 mm  | 2x 30 x 5 mm  | 32 mm     | 86 mm  | 100 ... 1000 A | SASK 541.4 | Page 142 |
| 40 x 12 mm  | 30 x 15 mm    | 32 mm     | 95 mm  | 75 ... 750 A   | SASK 41.6  | Page 144 |
| 40 x 10 mm  | -             | 32 mm     | 150 mm | 75 ... 800 A   | SASK 41.10 | Page 146 |
| 50 x 10 mm  | 2x 40 x 10 mm | 44 mm     | 86 mm  | 150 ... 1000 A | SASK 51.4  | Page 150 |
| 50 x 12 mm  | 2x 40 x 10 mm | 40 mm     | 95 mm  | 150 ... 1000 A | SASK 51.6  | Page 151 |
| 60 x 10 mm  | 2x 50 x 10 mm | 44 mm     | 96 mm  | 200 ... 1250 A | SASK 61.4  | Page 153 |
| 60 x 10 mm  | 2x 50 x 10 mm | 30 mm     | 150 mm | 100 ... 1500 A | SASK 61.10 | Page 154 |
| 60 x 30 mm  | -             | 30 mm     | 88 mm  | 200 ... 1000 A | SASK 63.6  | Page 158 |
| 100 x 55 mm | -             | 55 mm     | 129 mm | 600 ... 1600 A | SASK 105.6 | Page 159 |



## ASRD - Three-phase current transformers set

from page 161

| Bus bar 1:    | Bus bar 2: | Diameter:  | Width:  | Current range:      | Type:       | Page:    |
|---------------|------------|------------|---------|---------------------|-------------|----------|
| -             | -          | 3x 13,5 mm | 105 mm  | 3x 50 ... 3x 150 A  | ASRD 14     | Page 162 |
| -             | -          | 3x 21,5 mm | 49,6 mm | 3x 75 ... 3x 250 A  | ASRD 210.3  | Page 163 |
| 3x 20 x 5 mm  | -          | 3x 18 mm   | 115 mm  | 3x 100 ... 3x 250 A | ASRD 205.37 | Page 164 |
| 3x 30 x 10 mm | -          | 3x 22 mm   | 150 mm  | 3x 250 ... 3x 600 A | ASRD 310.37 | Page 165 |

## ASKD / WSKD - Three-phase current transformer set incl. bus bars and optionally with neutral conductor

from page 166

| Bus bar 1:    | Neutral:      | Base plate: | Width:   | Current range:      | Type:       | Page:    |
|---------------|---------------|-------------|----------|---------------------|-------------|----------|
| 3x 12 x 5 mm  | 1x 12 x 5 mm  | yes         | 176,5 mm | 3x 100 ... 3x 200 A | ASK(D) 21.3 | Page 168 |
| 3x 30 x 10 mm | 1x 30 x 10 mm | yes         | 232,5 mm | 3x 75 ... 3x 750 A  | ASK(D) 31.5 | Page 170 |
| 3x 30 x 6 mm  | 1x 30 x 6 mm  | yes         | 235,5 mm | 3x 50 ... 3x 150 A  | WSKD 31.8   | Page 173 |
| 3x 30 x 6 mm  | without       | nein        | 205,5 mm | 3x 50 ... 3x 150 A  | WSKD 31.8   | Page 175 |

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## Low-voltage current transformers for industrial applications

from page 176

Accuracy classes 1; 0,5; 0,2s

### ASKD / WSKD - Three-phase current transformer set incl. bus bars and optionally with neutral conductor from page 176

| Bus bar 1:   | Neutral:     | Base plate: | Width:   | Current range:      | Type:     | Page:    |
|--------------|--------------|-------------|----------|---------------------|-----------|----------|
| 3x 30 x 6 mm | 1x 30 x 6 mm | yes         | 235,5 mm | 3x 200 ... 3x 600 A | ASKD 31.8 | Page 176 |
| 3x 30 x 6 mm | without      | nein        | 205,5 mm | 3x 200 ... 3x 600 A | ASKD 31.8 | Page 177 |

### Quick Connect - Three-phase current transformer set with innovative connection technology to measuring unit from p. 178

| Bus bar 1:    | Bus bar 2: | Diameter: | Width:   | Current range:       | Type:    | Page:    |
|---------------|------------|-----------|----------|----------------------|----------|----------|
| 3x 21 x 25 mm | -          | 21 mm     | 110,5 mm | 3x 60 ... 3x 250 A   | ASKDS 25 | Page 180 |
| 3x 30 x 29 mm | -          | 29 mm     | 140 mm   | 3x 250 ... 3x 600 A  | ASKDS 33 | Page 180 |
| 3x 50 x 54 mm | -          | 50 mm     | 215 mm   | 3x 750 ... 3x 1250 A | ASKDS 55 | Page 180 |



## Low-voltage current transformers for tariff applications

from page 186

Accuracy classes 0,5; 0,5s; 0,2; 0,2s

### EASR - Tube current transformer

from page 186

| Bus bar 1: | Bus bar 2: | Diameter: | Width: | Current range: | Type:     | Page:    |
|------------|------------|-----------|--------|----------------|-----------|----------|
| -          | -          | 14 mm     | 45 mm  | 75 ... 150 A   | EASR 14.3 | Page 187 |
| -          | -          | 22,5 mm   | 61 mm  | 100 ... 600 A  | EASR 22.3 | Page 188 |

### EASKL - Plug-in current transformer for fuse switch disconnectors, type InLine II of size 00 + 123

from page 189

|            |   |         |       |               |            |          |
|------------|---|---------|-------|---------------|------------|----------|
| 19 x 12 mm | - | 16,4 mm | 45 mm | 80 ... 160 A  | ASKL 19.34 | Page 189 |
| 31 x 12 mm | - | 18,6 mm | 60 mm | 200 ... 600 A | ASKL 31.34 | Page 190 |



### EAS - Plug-in current transformer for fuse switch disconnectors, type SlimLine of size XR01

from page 191

| Bus bar 1: | Bus bar 2: | Diameter: | Width: | Current range: | Type:     | Page:    |
|------------|------------|-----------|--------|----------------|-----------|----------|
| 17 x 6 mm  | -          | 15,2 mm   | 45 mm  | 100 ... 250 A  | EAS 176.3 | Page 191 |

### EASK - Plug-in current transformer

from page 192

| Bus bar 1:  | Bus bar 2:     | Diameter: | Width: | Current range: | Type:      | Page:    |
|-------------|----------------|-----------|--------|----------------|------------|----------|
| 17 x 6 mm   | -              | 15,2 mm   | 45 mm  | 100 ... 250 A  | EASK 176.3 | Page 195 |
| 20 x 10 mm  | -              | 19,2 mm   | 61 mm  | 100 ... 500 A  | EASK 21.3  | Page 196 |
| 30 x 10 mm  | 2x 20 x 10 mm  | 26 mm     | 61 mm  | 100 ... 750 A  | EASK 31.3  | Page 197 |
| 30 x 10 mm  | 2x 20 x 10 mm  | 28 mm     | 61 mm  | 100 ... 750 A  | EASK 31.4  | Page 198 |
| 30 x 10 mm  | 2x 20 x 10 mm  | 28 mm     | 61 mm  | 75 ... 750 A   | EASK 31.5  | Page 199 |
| 30 x 10 mm  | 20 x 13 mm     | 23 mm     | 95 mm  | 50 ... 750 A   | EASK 31.6  | Page 202 |
| 40 x 10 mm  | 2x 30 x 5 mm   | 32 mm     | 71 mm  | 100 ... 750 A  | EASK 41.4  | Page 203 |
| 40 x 10 mm  | 2x 30 x 5 mm   | 32 mm     | 86 mm  | 75 ... 1000 A  | EASK 541.4 | Page 205 |
| 40 x 10 mm  | 2x 30 x 5 mm   | 32 mm     | 71 mm  | 75 ... 1000 A  | EASK 41.5  | Page 206 |
| 40 x 12 mm  | 30 x 15 mm     | 32 mm     | 95 mm  | 75 ... 1000 A  | EASK 41.6  | Page 207 |
| 50 x 10 mm  | 2x 40 x 10 mm  | 44 mm     | 86 mm  | 100 ... 1000 A | EASK 51.4  | Page 208 |
| 50 x 12 mm  | 2x 40 x 10 mm  | 40 mm     | 95 mm  | 100 ... 1250 A | EASK 51.6  | Page 210 |
| 63 x 10 mm  | 2x 50 x 10 mm  | 44 mm     | 96 mm  | 200 ... 1500 A | EASK 61.4  | Page 211 |
| 60 x 10 mm  | 2x 50 x 10 mm  | 40 mm     | 95 mm  | 200 ... 1500 A | EASK 61.6  | Page 212 |
| 60 x 30 mm  | -              | 30 mm     | 88 mm  | 250 ... 1500 A | EASK 63.6  | Page 213 |
| 80 x 10 mm  | 2x 60 x 10 mm  | 55 mm     | 120 mm | 400 ... 1500 A | EASK 81.4  | Page 214 |
| 100 x 55 mm | -              | 55 mm     | 129 mm | 600 ... 3000 A | EASK 105.6 | Page 215 |
| 123 x 30 mm | 3x 100 x 10 mm | 100 mm    | 172 mm | 750 ... 3000 A | EASK 123.3 | Page 216 |
| 130 x 25 mm | -              | 25 mm     | 180 mm | 300 ... 1600 A | EASK 130.3 | Page 217 |
| 130 x 30 mm | -              | 30 mm     | 180 mm | 300 ... 3000 A | EASK 130.5 | Page 218 |



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# Overview about our product groups

Low-voltage current transformers for tariff applications with screwless connection technology „Cage Clamp“  
Accuracy classes 0,5; 0,5s; 0,2; 0,2s

from page 220



## ECTB - Plug-in current transformer with screwless connection technology „Cage Clamp“, UL certified from page 220

| Bus bar 1:  | Bus bar 2: | Diameter: | Width: | Current range: | Type:       | Page:    |
|-------------|------------|-----------|--------|----------------|-------------|----------|
| 30 x 10 mm  | 25 x 12 mm | 25,7 mm   | 60 mm  | 100 ... 750 A  | ECTB 31.35  | Page 221 |
| 40 x 10 mm  | 30 x 15 mm | 31,8 mm   | 70 mm  | 200 ... 750 A  | ECTB 41.35  | Page 222 |
| 50 x 12 mm  | 40 x 30 mm | 43,7 mm   | 85 mm  | 100 ... 1000 A | ECTB 51.35  | Page 223 |
| 63 x 10 mm  | 50 x 30 mm | 43,7 mm   | 95 mm  | 200 ... 1500 A | ECTB 61.35  | Page 224 |
| 80 x 10 mm  | 60 x 30 mm | 54,7 mm   | 120 mm | 400 ... 2000 A | ECTB 81.35  | Page 225 |
| 100 x 10 mm | 80 x 30 mm | 70 mm     | 130 mm | 400 ... 2000 A | ECTB 101.35 | Page 226 |

Low-voltage current transformers for tariff applications  
Accuracy classes 0,5; 0,5s; 0,2; 0,2s

from page 227



## EWSK - Wound current transformer

from page 227

| Bus bar 1: | Bus bar 2: | Diameter: | Width: | Current range: | Type:     | Page:    |
|------------|------------|-----------|--------|----------------|-----------|----------|
| -          | -          | -         | 115 mm | 25 ... 150 A   | EWSK 31.5 | Page 228 |

## ESUSK - Summation current transformer

| Inputs       | Width: | Current range: | Type: | Page:    |
|--------------|--------|----------------|-------|----------|
| 2 ... 8 Pcs. | 156 mm | 5 A            | ESUSK | Page 229 |

## EASKD / EWSKD - Three-phase current transformer set incl. bus bars and optionally with neutral conductor from p. 230

| Bus bar 1:    | Neutral:      | Base plate: | Width:   | Current range:      | Type:        | Page:    |
|---------------|---------------|-------------|----------|---------------------|--------------|----------|
| 3x 12 x 5 mm  | 1x 12 x 5 mm  | yes         | 176,5 mm | 3x 100 ... 3x 200 A | EASK(D) 21.3 | Page 231 |
| 3x 30 x 10 mm | 1x 30 x 10 mm | yes         | 232,5 mm | 3x 75 ... 3x 750 A  | EASK(D) 31.5 | Page 232 |
| 3x 30 x 6 mm  | 1x 30 x 6 mm  | yes         | 235,5 mm | 3x 50 ... 3x 150 A  | EWSKD 31.8   | Page 234 |
| 3x 30 x 6 mm  | without       | nein        | 205,5 mm | 3x 50 ... 3x 150 A  | EWSKD 31.8   | Page 235 |
| 3x 30 x 6 mm  | 1x 30 x 6 mm  | yes         | 235,5 mm | 3x 200 ... 3x 600 A | EASKD 31.8   | Page 236 |
| 3x 30 x 6 mm  | without       | nein        | 205,5 mm | 3x 200 ... 3x 600 A | EASKD 31.8   | Page 237 |

Accessories for low-voltage current transformers

from page 220

Special current transformers

from page 243



## ASG - Tube or plug-in current transformers, PU-hardened

from page 244

| Bus bar 1:  | Bus bar 2:     | Diameter: | Width:   | Current range: | Type:   | Page:    |
|-------------|----------------|-----------|----------|----------------|---------|----------|
| -           | -              | 106 mm    | 190 mm   | 40 ... 1250 A  | ASG 106 | Page 244 |
| 120 x 30 mm | 2x 120 x 10 mm | -         | 205,3 mm | 400 ... 4000 A | ASG 123 | Page 246 |

## CTR / CTO - Ring-type or split-core current transformers, fully resin hardened

from page 248

| Bus bar 1:  | Bus bar 2:  | Diameter:  | Width:         | Current range: | Type: | Page:    |
|-------------|-------------|------------|----------------|----------------|-------|----------|
| auf Anfrage | auf Anfrage | bis 360 mm | 100 ... 500 mm | 30 ... 5000 A  | CTR   | Page 248 |
| auf Anfrage | auf Anfrage | bis 360 mm | 100 ... 500 mm | 30 ... 5000 A  | CTO   | Page 250 |

Voltage transformers up to 1 kV

from page 253



|                   |                                     |          |
|-------------------|-------------------------------------|----------|
| MBE / MBEV / MBER | 1-pole isolated voltage transformer | Page 254 |
| MBZ / MBZV / MBZR | 2-pole isolated voltage transformer | Page 256 |

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# We make energy measurable



On the energy transmission between power station and consumers are a lot of measuring points and the correct detection of the current intensities is necessary. This is done with the help of current transformers. MBS AG produces a comprehensive range of low-voltage current transformers for measuring and protection purposes.

## 10 reasons for MBS

- ✓ Customer oriented solutions
- ✓ Individual consultancy
- ✓ Satisfied customers on all continents
- ✓ A product range in excess of 28,000 units
- ✓ Multiple of international certifications
- ✓ Supreme technical quality
- ✓ Official calibration of current transformers and energy meters
- ✓ Reliability
- ✓ Fast deliveries
- ✓ 40 years of success

### MBS AG

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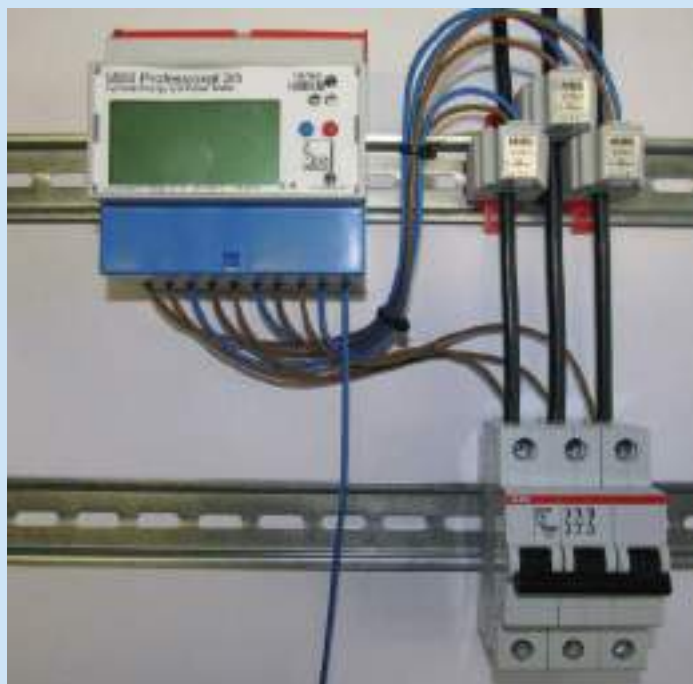
# **Low-voltage current transformers for industrial applications**

## **Mini current transformer**

### **CTM 7**

Round conductor: 7,6 mm Current range: 30 ... 64 A  
Transformer width: 27,5 mm

Page: 11

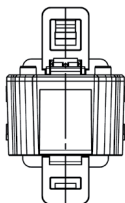
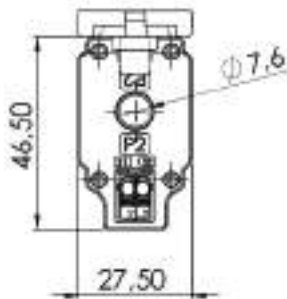


## CTM 7

### Mini current transformer



Round conductor      7,6 mm  
Transformer width    27,5 mm  
Height                    46,5 mm  
Depth                    19,0 mm



|                     |             | Secondary current [A] / Class |
|---------------------|-------------|-------------------------------|
| Primary current [A] | Burden [VA] | 1 A<br>Cl. 1 FS5<br>Art.-no.  |
| 30                  | 0,2         | 77007                         |
| 32                  | 0,2         | 77001                         |
| 35                  | 0,2         | 77002                         |
| 40                  | 0,3         | 77003                         |
| 50                  | 0,4         | 77004                         |
| 60                  | 0,4         | 77005                         |
| 64                  | 0,5         | 77006                         |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type J</b> | <b>55018</b> |
|  | <b>Sealed shutter</b>           | –            |



## **Low-voltage current transformers for industrial applications**

### **Tube current transformer**

|                                       |                                                        |                              |          |
|---------------------------------------|--------------------------------------------------------|------------------------------|----------|
| <b>ASR 14.3</b>                       | Round conductor: 14 mm<br>Transformer width: 45 mm     | Current range: 40 ... 150 A  | Page: 13 |
| <b>ASR 20.3</b>                       | Round conductor: 21 mm<br>Transformer width: 45 mm     | Current range: 50 ... 300 A  | Page: 14 |
| <b>ASR 201.3</b>                      | Round conductor: 21 mm<br>Transformer width: 44 mm     | Current range: 60 ... 300 A  | Page: 15 |
| <b>ASR 21.3</b>                       | Round conductor: 22,8 mm<br>Transformer width: 49,5 mm | Current range: 100 ... 500 A | Page: 16 |
| <b>ASR 21.5</b>                       | Round conductor: 21,2 mm<br>Transformer width: 50 mm   | Current range: 50 ... 600 A  | Page: 17 |
| <b>ASR 22.3</b><br><b>ASR 22.3 2U</b> | Round conductor: 22,5 mm<br>Transformer width: 61 mm   | Current range: 50 ... 600 A  | Page: 18 |
| <b>ASR 42.45</b>                      | Round conductor: 42 mm<br>Transformer width: 71 mm     | Current range: 150 ... 800 A | Page: 20 |

### **Tube current transformer, resin hardened**

|                  |                                                      |                             |          |
|------------------|------------------------------------------------------|-----------------------------|----------|
| <b>ASG 210.3</b> | Round conductor: 20,8 mm<br>Transformer width: 44 mm | Current range: 60 ... 300 A | Page: 21 |
|------------------|------------------------------------------------------|-----------------------------|----------|

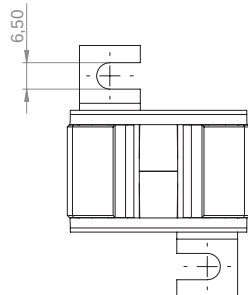
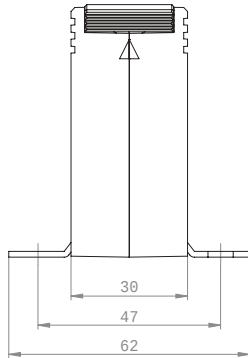
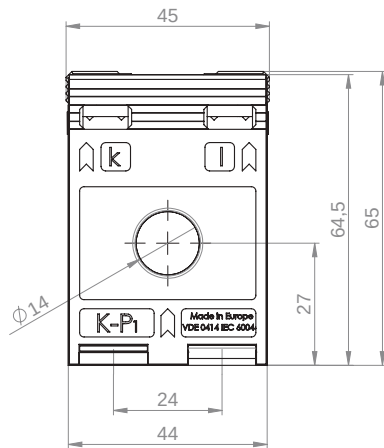
## ASR 14.3

### Tube current transformer

**Current transformer designed for integrated installation into fuse switch disconnectors, type SlimLine of size XR00.**



Round conductor 14 mm  
Transformer width 45 mm  
Height 65 mm  
Depth 30 mm



|                     |             | Secondary current [A] / Class |                    |                    |                    |
|---------------------|-------------|-------------------------------|--------------------|--------------------|--------------------|
| Primary current [A] | Burden [VA] | 5 A Cl. 3 Art.-no.            | 5 A Cl. 1 Art.-no. | 1 A Cl. 3 Art.-no. | 1 A Cl. 1 Art.-no. |
| 30                  | 1           | 26088                         |                    | 26290              |                    |
| 40                  | 1           |                               | 26081              |                    | 26281              |
| 50                  | 1           |                               | 26085              |                    | 26285              |
|                     | 1,5         |                               | 26082              |                    | 26282              |
| 60                  | 1,5         |                               | 26083              |                    | 26283              |
| 75                  | 1,5         |                               | 26084              |                    | 26284              |
| 100                 | 2,5         |                               | 26094              |                    | 26294              |
| 125                 | 2,5         |                               | 26087              |                    | 26287              |
| 150                 | 2,5         |                               | 26095              |                    | 26295              |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type E</b> | <b>55013</b> |
|  | <b>Sealed shutter</b>           | —            |

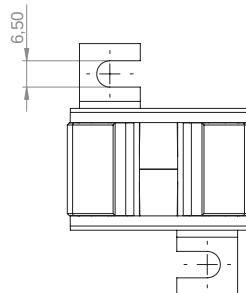
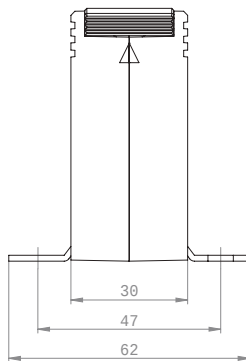
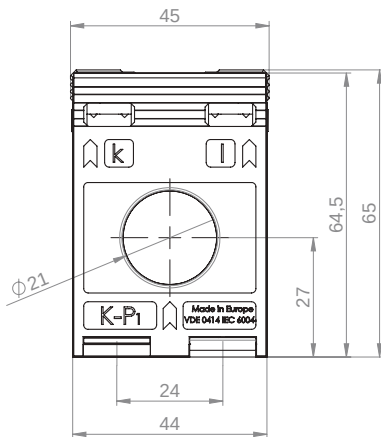
## ASR 20.3

### Tube current transformer

**Current transformer designed for integrated installation into fuse switch disconnectors, type SlimLine of size XR00/1.**



Round conductor 21 mm  
Transformer width 45 mm  
Height 65 mm  
Depth 30 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1           | 26027                         |                            | 26227                    |                            |
| 60                  | 1           | 26028                         |                            | 26228                    |                            |
|                     | 1,25        | 26029                         |                            | 26229                    |                            |
| 75                  | 1,25        | 26030                         |                            | 26230                    |                            |
|                     | 1,5         | 26031                         |                            | 26231                    |                            |
| 80                  | 1,25        | 26032                         |                            | 26232                    |                            |
|                     | 1,5         | 26033                         |                            | 26233                    |                            |
| 100                 | 1,5         | 26034                         | 26011                      | 26234                    | 26211                      |
|                     | 2,5         | 26035                         |                            | 26235                    |                            |
| 125                 | 1,5         | 26036                         | 26013                      | 26236                    | 26213                      |
|                     | 2,5         | 26037                         |                            | 26237                    |                            |
| 150                 | 1,5         | 26039                         | 26015                      | 26239                    | 26215                      |
|                     | 2,5         | 26040                         | 26016                      | 26240                    | 26216                      |
|                     | 3,75        | 26041                         |                            | 26241                    |                            |
| 200                 | 1,5         | 26042                         | 26017                      | 26242                    | 26217                      |
|                     | 2,5         | 26043                         | 26018                      | 26243                    | 26218                      |
|                     | 3,75        | 26051                         |                            |                          |                            |
| 250                 | 2,5         | 26045                         | 26020                      | 26245                    | 26220                      |
|                     | 5           | 26046                         |                            | 26246                    | 26221                      |
| 300                 | 2,5         | 26048                         | 26022                      | 26248                    | 26222                      |
|                     | 5           | 26049                         | 26023                      | 26249                    |                            |

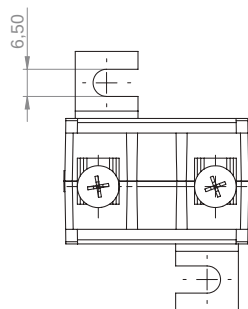
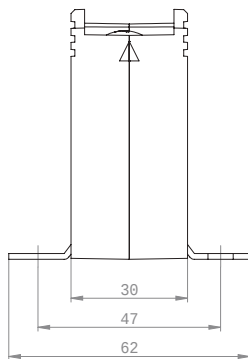
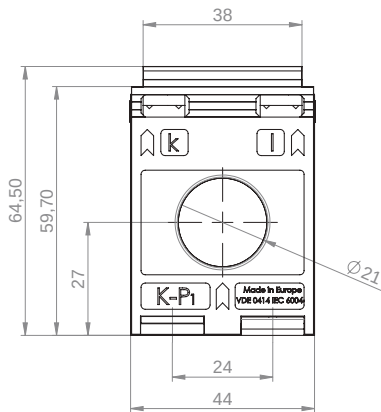
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type E</b> | <b>55013</b> |
|  | <b>Sealed shutter</b>           | -            |

## ASR 201.3

### Tube current transformer



Round conductor 21 mm  
Transformer width 44 mm  
Height 64,5 mm  
Depth 30 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                      |                    |                      |
|---------------------|-------------|-------------------------------|----------------------|--------------------|----------------------|
|                     |             | 5 A Cl. 1 Art.-no.            | 5 A Cl. 0,5 Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 60                  | 1           | 27028                         |                      |                    |                      |
| 75                  | 1,25        | 27030                         |                      | 27230              |                      |
|                     | 1,5         | 27031                         |                      | 27231              |                      |
| 80                  | 1,25        | 27032                         |                      | 27232              |                      |
|                     | 1,5         | 27033                         |                      | 27233              |                      |
| 100                 | 1,5         | 27034                         | 27011                | 27234              | 27211                |
|                     | 2,5         | 27035                         |                      | 27235              |                      |
| 125                 | 1,5         | 27036                         | 27013                | 27236              | 27213                |
|                     | 2,5         | 27037                         | 27014                | 27237              |                      |
| 150                 | 1,5         | 27039                         | 27015                | 27239              | 27215                |
|                     | 2,5         | 27040                         | 27016                | 27240              |                      |
|                     | 3,75        | 27041                         |                      | 27241              |                      |
| 200                 | 1,5         | 27042                         | 27017                | 27242              | 27217                |
|                     | 2,5         | 27043                         | 27018                | 27243              | 27218                |
|                     | 3,75        | 27052                         |                      | 27252              |                      |
|                     | 5           | 27044                         |                      |                    |                      |
| 250                 | 2,5         | 27045                         | 27020                | 27245              | 27220                |
|                     | 5           | 27046                         |                      | 27246              |                      |
| 300                 | 2,5         | 27048                         | 27022                | 27248              | 27222                |
|                     | 5           | 27049                         |                      | 27249              |                      |

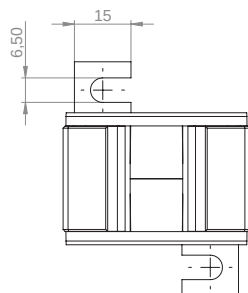
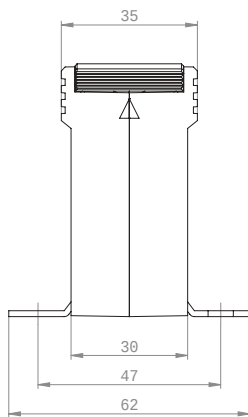
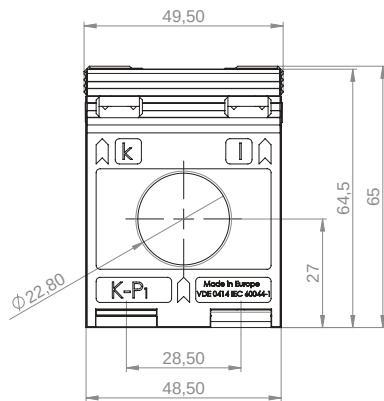
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type E</b> | <b>55013</b> |
|  | <b>Sealed shutter</b>           | —            |

## ASR 21.3

### Tube current transformer



Round conductor 22,8 mm  
Transformer width 49,5 mm  
Height 65 mm  
Depth 35 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 100                 | 1           | 1023                          | 1223                     |
| 150                 | 1,5         | 1024                          | 1224                     |
| 200                 | 1,5         | 1026                          | 1226                     |
|                     | 2,5         | 1027                          | 1227                     |
| 250                 | 1,5         | 1028                          | 1228                     |
|                     | 2,5         | 1029                          | 1229                     |
|                     | 3,75        | 1048                          | 1248                     |
|                     | 5           | 1030                          |                          |
| 300                 | 1,5         | 1031                          | 1231                     |
|                     | 2,5         | 1032                          | 1232                     |
|                     | 3,75        | 1049                          | 1249                     |
|                     | 5           | 1033                          |                          |
| 400                 | 2,5         | 1034                          | 1234                     |
|                     | 5           | 1035                          | 1235                     |
| 500                 | 2,5         | 1037                          | 1237                     |
|                     | 5           | 1038                          | 1238                     |

|                                                                                     |                          | Art.-no. |
|-------------------------------------------------------------------------------------|--------------------------|----------|
|   | Snap-on mounting, type F | 55014    |
|  | Sealed shutter           | —        |

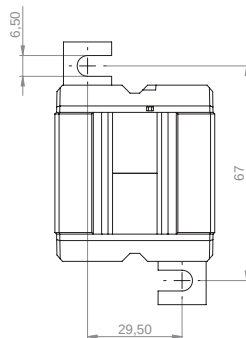
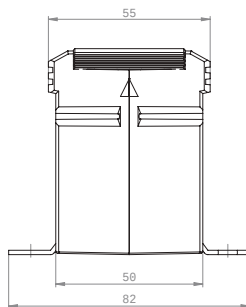
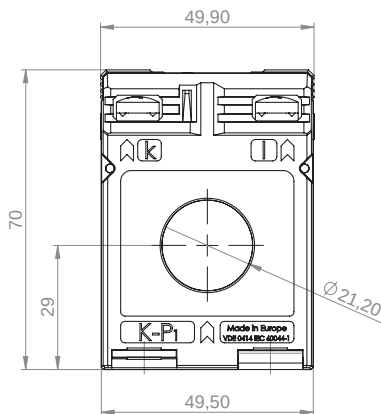


## ASR 21.5

### Tube current transformer



Round conductor 21,2 mm  
Transformer width 49,9 mm  
Height 70 mm  
Depth 55 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1,5         | 93050                         | 93011                      | 93250                    |                            |
| 60                  | 1,5         | 93052                         | 93012                      | 93252                    | 93212                      |
|                     | 2,5         | 93053                         |                            | 93253                    |                            |
|                     | 3,75        |                               |                            | 93254                    |                            |
| 75                  | 1,5         | 93055                         | 93013                      | 93255                    | 93213                      |
|                     | 2,5         | 93056                         |                            | 93256                    |                            |
|                     | 3,75        | 93057                         |                            | 93257                    |                            |
| 80                  | 1,5         | 93058                         | 93014                      | 93258                    | 93214                      |
|                     | 2,5         | 93059                         |                            | 93259                    |                            |
| 100                 | 1,5         | 93061                         | 93015                      | 93261                    | 93215                      |
|                     | 2,5         | 93062                         | 93016                      | 93262                    | 93216                      |
|                     | 5           | 93063                         |                            | 93263                    |                            |
| 125                 | 1,5         | 93064                         | 93017                      | 93264                    | 93217                      |
|                     | 2,5         | 93065                         | 93018                      | 93265                    | 93218                      |
|                     | 5           | 93066                         |                            | 93266                    |                            |
| 150                 | 2,5         | 93067                         | 93019                      | 93267                    | 93219                      |
|                     | 5           | 93068                         | 93020                      | 93268                    | 93220                      |
|                     | 7,5         | 93095                         |                            | 93294                    |                            |
| 200                 | 2,5         | 93070                         | 93021                      | 93270                    | 93221                      |
|                     | 5           | 93071                         | 93022                      | 93271                    | 93222                      |
|                     | 10          | 93072                         | 93023                      | 93272                    | 93223                      |
| 250                 | 2,5         | 93074                         | 93024                      | 93274                    | 93224                      |
|                     | 5           | 93075                         | 93025                      | 93275                    | 93225                      |
|                     | 10          | 93076                         |                            | 93276                    |                            |
| 300                 | 2,5         | 93078                         | 93027                      | 93278                    | 93227                      |
|                     | 5           | 93079                         | 93028                      | 93279                    | 93228                      |
|                     | 10          | 93080                         | 93029                      | 93280                    | 93229                      |
| 400                 | 2,5         | 93082                         | 93031                      | 93282                    | 93231                      |
|                     | 5           | 93083                         | 93032                      | 93283                    | 93232                      |
|                     | 10          | 93084                         | 93033                      | 93284                    | 93233                      |
| 500                 | 2,5         | 93086                         | 93035                      | 93286                    | 93235                      |
|                     | 5           | 93087                         | 93036                      | 93287                    | 93236                      |
|                     | 10          | 93088                         | 93037                      | 93288                    | 93237                      |
| 600                 | 2,5         | 93090                         | 93039                      | 93290                    | 93239                      |
|                     | 5           | 93091                         | 93040                      | 93291                    | 93240                      |

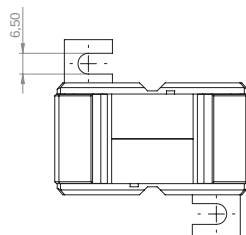
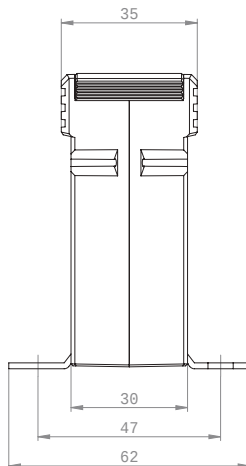
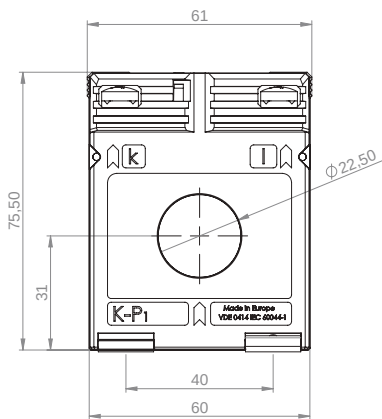
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## ASR 22.3

### Tube current transformer



Round conductor 22,5 mm  
Transformer width 61 mm  
Height 75,5 mm  
Depth 35 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1           | 3035                          |                            |                             | 3235                     |                            |
|                     | 1,5         |                               |                            |                             | 3236                     |                            |
| 60                  | 1           | 3037                          |                            |                             | 3237                     |                            |
|                     | 1,5         | 3038                          |                            |                             | 3238                     |                            |
| 75                  | 1,5         | 3039                          |                            |                             | 3239                     |                            |
|                     | 2,5         | 3040                          |                            |                             | 3240                     |                            |
| 80                  | 1,5         | 3041                          |                            |                             | 3241                     |                            |
|                     | 2,5         | 3042                          |                            |                             | 3242                     |                            |
| 100                 | 1,5         | 3043                          | 3011                       |                             | 3243                     | 3211                       |
|                     | 2,5         | 3044                          | 3134                       |                             | 3244                     | 3334                       |
|                     | 3,75        | 3045                          |                            |                             | 3245                     |                            |
| 150                 | 1,5         | 3046                          | 3012                       | V04-1604C                   | 3246                     | 3212                       |
|                     | 2,5         | 3047                          | 3013                       | V04-1604D                   | 3247                     | 3213                       |
|                     | 5           | 3048                          |                            |                             | 3248                     |                            |
| 200                 | 1,5         |                               | 3014                       |                             |                          | 3214                       |
|                     | 2,5         | 3049                          | 3015                       | V04-1704D                   | 3249                     | 3215                       |
|                     | 5           | 3050                          | 3016                       | V04-1704F                   | 3250                     | 3216                       |
|                     | 10          | 3051                          |                            |                             |                          |                            |
| 250                 | 2,5         | 3052                          | 3018                       | V04-1804D                   | 3252                     | 3218                       |
|                     | 5           | 3053                          | 3019                       | V04-1804F                   | 3253                     | 3219                       |
|                     | 10          | 3054                          |                            |                             | 3254                     |                            |
| 300                 | 2,5         | 3056                          | 3022                       | V04-1904D                   | 3256                     | 3222                       |
|                     | 5           | 3057                          | 3023                       | V04-1904F                   | 3257                     | 3223                       |
|                     | 10          | 3058                          | 3024                       |                             | 3258                     | 3224                       |
|                     | 15          |                               |                            |                             | 3259                     |                            |
| 400                 | 2,5         | 3060                          | 3025                       | V04-2004D                   | 3260                     | 3225                       |
|                     | 5           | 3061                          | 3026                       | V04-2004F                   | 3261                     | 3226                       |
|                     | 10          | 3062                          | 3027                       |                             | 3262                     | 3227                       |
|                     | 15          | 3063                          |                            |                             | 3263                     |                            |
| 500                 | 2,5         | 3064                          | 3028                       | V04-2104D                   | 3264                     | 3228                       |
|                     | 5           | 3065                          | 3029                       | V04-2104F                   | 3265                     | 3229                       |
|                     | 10          | 3066                          | 3030                       | V04-2104H                   | 3266                     | 3230                       |
| 600                 | 2,5         | 3068                          | 3031                       | V04-2204D                   | 3268                     | 3231                       |
|                     | 5           | 3069                          | 3032                       | V04-2204F                   | 3269                     | 3232                       |
|                     | 10          | 3070                          | 3033                       | V04-2204H                   | 3270                     | 3233                       |

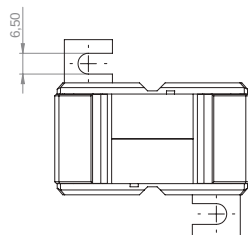
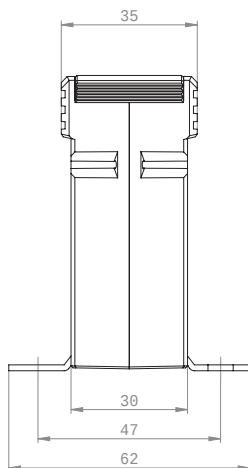
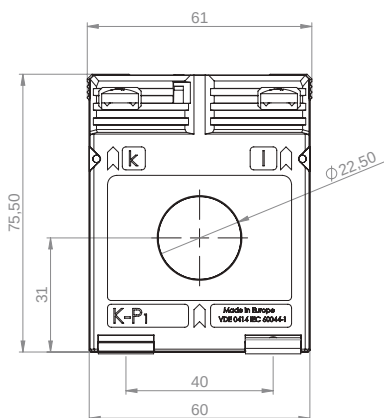
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |

## ASR 22.3 2U

Tube current transformer, secondary reconnectable



Round conductor 22,5 mm  
Transformer width 61 mm  
Height 75,5 mm  
Depth 35 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 200-100             | 5-2,5       | 3111                          | 3311                     |
|                     | 10-5        | 3112                          | 3312                     |
| 300-150             | 5-2,5       | 3113                          | 3313                     |
|                     | 10-5        | 3114                          | 3314                     |
| 400-200             | 5-2,5       | 3115                          | 3315                     |
|                     | 10-5        | 3116                          | 3316                     |
| 500-250             | 5-2,5       | 3117                          | 3317                     |
|                     | 10-5        | 3118                          | 3318                     |
| 600-300             | 5-2,5       | 3119                          | 3319                     |
|                     | 10-5        | 3119                          | 3319                     |

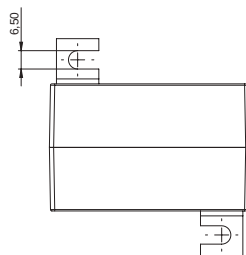
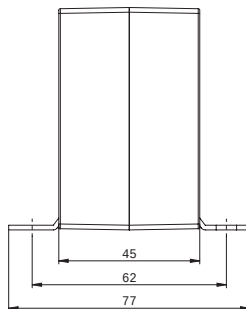
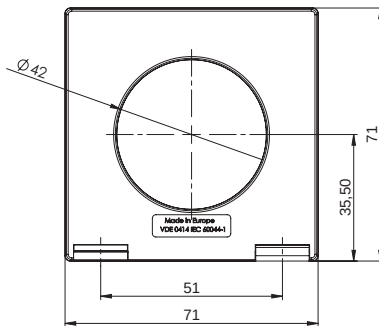
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |

## ASR 42.45

### Tube current transformer



Round conductor 42 mm  
Transformer width 71 mm  
Height 71 mm  
Depth 45 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 150                 | 1,5         | 26500                         | 26600                    |
|                     | 2,5         | 26501                         | 26601                    |
| 200                 | 1,5         | 26502                         | 26602                    |
|                     | 2,5         | 26503                         | 26603                    |
|                     | 5           | 26504                         | 26604                    |
| 250                 | 1,5         | 26505                         | 26605                    |
|                     | 2,5         | 26506                         | 26606                    |
|                     | 5           | 26507                         | 26607                    |
|                     | 7,5         | 26508                         |                          |
| 300                 | 2,5         | 26509                         | 26609                    |
|                     | 5           | 26510                         | 26610                    |
|                     | 7,5         | 26536                         | 26644                    |
| 400                 | 2,5         | 26512                         | 26612                    |
|                     | 5           | 26513                         | 26613                    |
|                     | 10          | 26514                         | 26614                    |
| 500                 | 2,5         | 26515                         | 26615                    |
|                     | 5           | 26516                         | 26616                    |
|                     | 10          | 26517                         | 26617                    |
| 600                 | 2,5         | 26519                         | 26619                    |
|                     | 5           | 26520                         | 26620                    |
|                     | 10          | 26521                         | 26621                    |
|                     | 15          | 26522                         | 26622                    |
| 750                 | 2,5         | 26523                         | 26623                    |
|                     | 5           | 26524                         | 26624                    |
|                     | 10          | 26525                         | 26625                    |
|                     | 15          | 26526                         | 26626                    |
| 800                 | 5           | 26527                         | 26627                    |
|                     | 10          | 26528                         | 26628                    |

|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

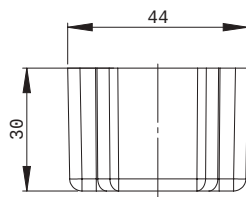
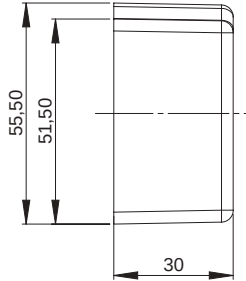
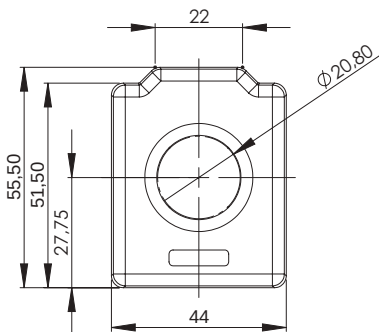
- Connection cable 2,5 mm<sup>2</sup>, 400 mm long (standard)
- The ends of the cables are equipped with ferrules.

## ASG 210.3

Tube current transformer, resin hardened



Round conductor 20,8 mm  
Transformer width 44 mm  
Height 55,5 mm  
Depth 30 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 60                  | 1           | 27501                         | 27601                    |
|                     | 1,25        |                               | 27602                    |
| 75                  | 1,25        | 27503                         | 27603                    |
|                     | 1,5         | 27504                         | 27604                    |
| 80                  | 1,25        | 27505                         | 27605                    |
|                     | 1,5         | 27506                         | 27606                    |
| 100                 | 1,5         | 27507                         | 27607                    |
|                     | 2,5         | 27508                         | 27608                    |
| 125                 | 1,5         | 27509                         | 27609                    |
|                     | 2,5         | 27510                         | 27610                    |
| 150                 | 1,5         | 27512                         | 27612                    |
|                     | 2,5         | 27513                         | 27613                    |
|                     | 3,75        | 27514                         | 27614                    |
| 200                 | 1,5         | 27515                         | 27615                    |
|                     | 2,5         | 27516                         | 27616                    |
|                     | 3,75        | 27527                         | 27627                    |
|                     | 5           |                               | 27617                    |
| 250                 | 2,5         | 27518                         | 27618                    |
|                     | 3,75        | 27528                         | 27628                    |
|                     | 5           | 27519                         | 27619                    |
| 300                 | 2,5         | 27521                         | 27621                    |
|                     | 5           | 27522                         | 27622                    |
|                     | 7,5         |                               | 27623                    |

|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

- Connection cable 2,5 mm<sup>2</sup>, 400 mm long (standard)
- The ends of the cables are equipped with ferrules.



## **Low-voltage current transformers for industrial applications**

### **Plug-in current transformer for fuse switch disconnectors**

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**ASKL 19.34****InLine II, size 00**Round conductor: 16,4 mm Current range: 80 ... 160 A  
Transformer width: 45 mm

Page: 23

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**ASKL 31.34****InLine II, size 123**Round conductor: 18,6 mm Current range: 250 ... 600 A  
Transformer width: 60 mm

Page: 24

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**AS 176.3****SlimLine, size XR1**Round conductor: 15,2 mm Current range: 75 ... 250 A  
Transformer width: 45 mmPage: 25

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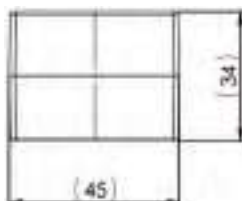
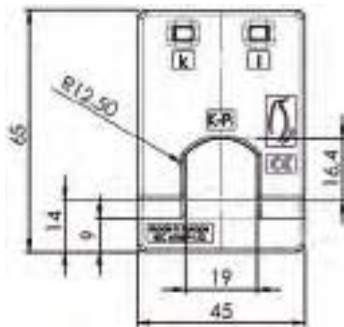
## ASKL 19.34

### Plug-in current transformer

**Current transformer designed for integrated installation into fuse switch disconnectors, type InLine II of size 00.**



Bus bar 1                      19 x 12 mm  
Round conductor            16,4 mm  
Transformer width          45 mm  
Height                        65 mm  
Depth                         34 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |                             |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5s<br>Art.-no. |
| 80                  | 1           | 34-0001                       | 34-0019                    |                             |                          | 34-2022                    |                             |
|                     | 1,5         |                               |                            |                             | 34-2002                  |                            |                             |
| 100                 | 1           |                               | 34-0020                    | 34-0031                     |                          |                            |                             |
|                     | 1,5         | 34-0003                       |                            |                             |                          | 34-2024                    | 34-2037                     |
|                     | 2           |                               |                            |                             | 34-2005                  |                            |                             |
| 120                 | 1,5         |                               | 34-0022                    | 34-0033                     | 34-2007                  | 34-2026                    | 34-2039                     |
|                     | 2           | 34-0006                       |                            |                             |                          |                            |                             |
|                     | 2,5         |                               |                            |                             | 34-2009                  |                            |                             |
| 125                 | 1,5         |                               | 34-0024                    | 34-0035                     |                          | 34-2028                    | 34-2041                     |
|                     | 2           | 34-0009                       |                            |                             |                          |                            |                             |
|                     | 2,5         | 34-0010                       |                            |                             | 34-2013                  |                            |                             |
| 150                 | 1,5         |                               | 34-0026                    | 34-0037                     |                          | 34-2030                    | 34-2043                     |
|                     | 2           | 34-0013                       | 34-0027                    |                             |                          | 34-2031                    |                             |
|                     | 2,5         | 34-0014                       |                            |                             | 34-2017                  |                            |                             |
| 160                 | 1,5         |                               | 34-0029                    | 34-0039                     |                          |                            | 34-2045                     |
|                     | 2           | 34-0017                       | 34-0030                    |                             |                          |                            |                             |
|                     | 2,5         | 34-0018                       |                            |                             | 34-2021                  | 34-2035                    |                             |

|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

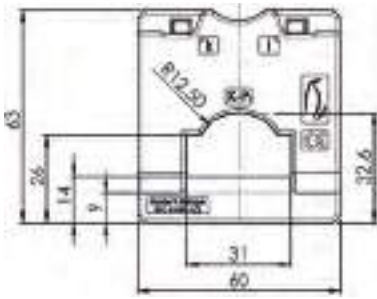
## ASKL 31.34

### Plug-in current transformer

**Current transformer designed for integrated installation into fuse switch disconnectors, type InLine II of size 123.**



|                   |            |
|-------------------|------------|
| Bus bar 1         | 31 x 12 mm |
| Round conductor   | 18,6 mm    |
| Transformer width | 60 mm      |
| Height            | 63 mm      |
| Depth             | 34 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |                             |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5s<br>Art.-no. |
| 250                 | 2,5         |                               |                            | 34-0140                     |                          |                            | 34-2140                     |
|                     | 3,75        | 34-0103                       | 34-0123                    |                             |                          | 34-2123                    |                             |
|                     | 5           |                               |                            |                             | 34-2104                  |                            |                             |
| 300                 | 3,75        |                               | 34-0126                    | 34-0143                     |                          | 34-2126                    | 34-2143                     |
|                     | 5           | 34-0108                       |                            |                             | 34-2108                  |                            |                             |
| 400                 | 5           | 34-0112                       | 34-0130                    | 34-0147                     | 34-2112                  | 34-2130                    | 34-2147                     |
| 500                 | 5           | 34-0116                       | 34-0134                    | 34-0151                     | 34-2116                  | 34-2134                    | 34-2151                     |
| 600                 | 5           | 34-0120                       | 34-0138                    | 34-0155                     | 34-2120                  | 34-2138                    | 34-2155                     |

|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

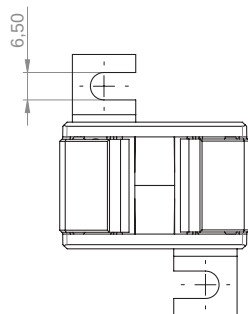
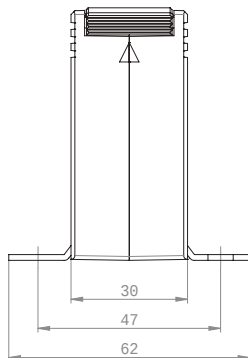
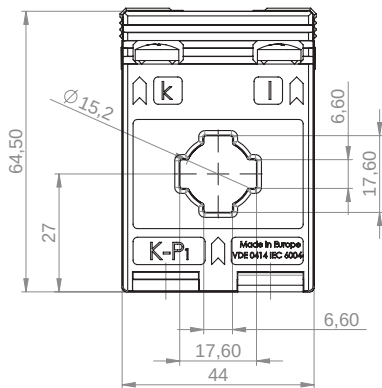
## AS 176.3

### Plug-in current transformer

**Current transformer designed for integrated installation into fuse switch disconnectors, type SlimLine of size XR1.**



|                   |           |
|-------------------|-----------|
| Bus bar 1         | 17 x 6 mm |
| Round conductor   | 15,2 mm   |
| Transformer width | 45 mm     |
| Height            | 65 mm     |
| Depth             | 30 mm     |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 75                  | 1,5         | 1030006009                    |                            | 1030206009               |                            |
| 80                  | 1,5         | 1030006010                    |                            | 1030206010               |                            |
| 100                 | 1           |                               | 1030005007                 |                          | 1030205007                 |
|                     | 2           | 1030006001                    |                            | 1030206001               |                            |
| 125                 | 1,5         |                               | 1030005008                 |                          | 1030205008                 |
|                     | 2,5         | 1030006002                    |                            | 1030206002               |                            |
| 150                 | 1,5         | 1030006007                    | 1030005001                 | 1030206007               | 1030205001                 |
|                     | 2,5         | 1030006003                    | 1030005006                 | 1030206003               | 1030205006                 |
| 160                 | 2,5         | 1030006004                    | 1030005004                 | 1030206004               | 1030205004                 |
| 200                 | 2,5         | 1030006005                    | 1030005002                 | 1030206005               | 1030205002                 |
| 250                 | 2,5         | 1030006008                    | 1030005003                 | 1030206008               | 1030205003                 |
|                     | 3,75        | 1030006006                    | 1030005005                 | 1030206006               | 1030205005                 |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type E</b> | <b>55013</b> |
|  | <b>Sealed shutter</b>           | <b>-</b>     |

## **Low-voltage current transformers for industrial applications**

### **Plug-in current transformer**

|                                                             |                                                                                                         |                             |          |
|-------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-----------------------------|----------|
| <b>ASK 176.3</b>                                            | Bus bar 1: 17 x 6 mm<br>Round conductor: 15,2 mm<br>Transformer width: 45 mm                            | Current range: 75 ... 250 A | Page: 30 |
| <b>ASK 205.3</b>                                            | Bus bar 1: 20 x 5 mm<br>Round conductor: 17,5 mm<br>Transformer width: 49,5 mm                          | Current range: 60 ... 400 A | Page: 31 |
| <b>ASK 21.3</b>                                             | Bus bar 1: 20 x 10 mm<br>Round conductor: 19,2 mm<br>Transformer width: 61 mm                           | Current range: 50 ... 500 A | Page: 32 |
| <b>ASK 421.4</b>                                            | Bus bar 1: 20 x 10 mm<br>Round conductor: 20 mm<br>Transformer width: 71 mm                             | Current range: 40 ... 500 A | Page: 33 |
| <b>ASK 231.5</b>                                            | Bus bar 1: 30 x 10 mm<br>Round conductor: 28 mm<br>Transformer width: 50 mm                             | Current range: 60 ... 500 A | Page: 34 |
| <b>ASK 31.3</b><br><b>ASK 31.3 2U</b>                       | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 2x 20 x 10 mm<br>Round conductor: 26 mm<br>Transformer width: 61 mm | Current range: 50 ... 750 A | Page: 35 |
| <b>ASK 31.4</b><br><b>ASK 31.4 2U</b><br><b>ASK 31.4 3U</b> | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 2x 20 x 10 mm<br>Round conductor: 28 mm<br>Transformer width: 61 mm | Current range: 50 ... 750 A | Page: 37 |
| <b>ASK 31.5</b><br><b>ASK 31.5 2U</b>                       | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 2x 20 x 10 mm<br>Round conductor: 28 mm<br>Transformer width: 61 mm | Current range: 40 ... 750 A | Page: 39 |

|                                                                |                                                                                                         |                               |          |
|----------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|-------------------------------|----------|
| <b>ASK 31.6</b>                                                | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 20 x 13 mm<br>Round conductor: 23 mm<br>Transformer width: 95 mm    | Current range: 40 ... 750 A   | Page: 41 |
| <b>ASK 318.3</b>                                               | Bus bar 1: 31 x 18 mm<br>Round conductor: 26 mm<br>Transformer width: 61 mm                             | Current range: 60 ... 600 A   | Page: 42 |
| <b>ASK 41.4</b><br><b>ASK 41.4 2U</b><br><b>ASK 41.4 3U</b>    | Bus bar 1: 40 x 10 mm<br>Bus bar 2: 2x 30 x 5 mm<br>Round conductor: 32 mm<br>Transformer width: 71 mm  | Current range: 50 ... 1000 A  | Page: 43 |
| <b>ASK 541.4</b>                                               | Bus bar 1: 40 x 10 mm<br>Bus bar 2: 2x 30 x 5 mm<br>Round conductor: 32 mm<br>Transformer width: 86 mm  | Current range: 30 ... 750 A   | Page: 45 |
| <b>ASK 41.5</b>                                                | Bus bar 1: 40 x 10 mm<br>Bus bar 2: 2x 30 x 5 mm<br>Round conductor: 32 mm<br>Transformer width: 71 mm  | Current range: 60 ... 1000 A  | Page: 47 |
| <b>ASK 41.3</b>                                                | Bus bar 1: 40 x 12 mm<br>Bus bar 2: 32 x 18 mm<br>Round conductor: 26 mm<br>Transformer width: 61 mm    | Current range: 100 ... 750 A  | Page: 48 |
| <b>ASK 412.4</b><br><b>ASK 412.4 2U</b><br><b>ASK 412.4 3U</b> | Bus bar 1: 40 x 12 mm<br>Bus bar 2: 30 x 15 mm<br>Round conductor: 30,5 mm<br>Transformer width: 71 mm  | Current range: 50 ... 800 A   | Page: 49 |
| <b>ASK 41.6</b>                                                | Bus bar 1: 40 x 12 mm<br>Bus bar 2: 30 x 15 mm<br>Round conductor: 32 mm<br>Transformer width: 95 mm    | Current range: 50 ... 1000 A  | Page: 51 |
| <b>ASK 51.4</b><br><b>ASK 51.4 2U</b><br><b>ASK 51.4 3U</b>    | Bus bar 1: 50 x 10 mm<br>Bus bar 2: 2x 40 x 10 mm<br>Round conductor: 44 mm<br>Transformer width: 86 mm | Current range: 100 ... 1250 A | Page: 52 |
| <b>ASK 51.6</b>                                                | Bus bar 1: 50 x 12 mm<br>Bus bar 2: 2x 40 x 10 mm<br>Round conductor: 40 mm<br>Transformer width: 95 mm | Current range: 100 ... 1250 A | Page: 54 |

|                                                             |                                                                                                              |                               |          |
|-------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|-------------------------------|----------|
| <b>ASK 561.4</b>                                            | Bus bar 1: 60 x 10 mm<br>Bus bar 2: 2x 50 x 10 mm<br>Round conductor: 44 mm<br>Transformer width: 86 mm      | Current range: 200 ... 1250 A | Page: 55 |
| <b>ASK 61.4</b><br><b>ASK 61.4 2U</b><br><b>ASK 61.4 3U</b> | Bus bar 1: 60 x 10 mm<br>Bus bar 2: 2x 50 x 10 mm<br>Round conductor: 44 mm<br>Transformer width: 96 mm      | Current range: 200 ... 1200 A | Page: 56 |
| <b>ASK 61.6</b>                                             | Bus bar 1: 60 x 10 mm<br>Bus bar 2: 2x 50 x 10 mm<br>Round conductor: 40 mm<br>Transformer width: 95 mm      | Current range: 100 ... 1200 A | Page: 59 |
| <b>ASK 63.4</b>                                             | Bus bar 1: 60 x 30 mm<br>Bus bar 2: 50 x 40 mm<br>Round conductor: 44 mm<br>Transformer width: 96 mm         | Current range: 300 ... 1600 A | Page: 61 |
| <b>ASK 63.6</b>                                             | Bus bar 1: 60 x 30 mm<br>Round conductor: 30 mm<br>Transformer width: 88 mm                                  | Current range: 200 ... 2000 A | Page: 62 |
| <b>ASK 81.4</b><br><b>ASK 81.4 2U</b><br><b>ASK 81.4 3U</b> | Bus bar 1: 80 x 10 mm<br>Bus bar 2: 2x 60 x 10 mm<br>Round conductor: 55 mm<br>Transformer width: 120 mm     | Current range: 400 ... 2000 A | Page: 63 |
| <b>ASK 83.4</b>                                             | Bus bar 1: 84 x 34 mm<br>Round conductor: 34 mm<br>Transformer width: 96 mm                                  | Current range: 300 ... 2000 A | Page: 65 |
| <b>ASK 101.4</b><br><b>ASK 101.4 2U</b>                     | Bus bar 1: 100 x 10 mm<br>Bus bar 2: 2x 80 x 10 mm<br>Round conductor: 70 mm<br>Transformer width: 130 mm    | Current range: 500 ... 2000 A | Page: 67 |
| <b>ASK 103.3</b>                                            | Bus bar 1: 2x 100 x 10 mm<br>Bus bar 2: 3x 80 x 10 mm<br>Round conductor: 85 mm<br>Transformer width: 172 mm | Current range: 750 ... 3000 A | Page: 69 |
| <b>ASK 103.41</b><br><b>ASK 103.41 2U</b>                   | Bus bar 1: 103 x 41 mm<br>Round conductor: 40 mm<br>Transformer width: 99 mm                                 | Current range: 400 ... 2000 A | Page: 70 |

|                   |                                                                                                             |                                |          |
|-------------------|-------------------------------------------------------------------------------------------------------------|--------------------------------|----------|
| <b>ASK 105.6</b>  | Bus bar 1: 100 x 55 mm<br>Round conductor: 55 mm<br>Transformer width: 129 mm                               | Current range: 600 ... 3000 A  | Page: 71 |
| <b>ASK 105.6N</b> | Bus bar 1: 100 x 55 mm<br>Round conductor: 55 mm<br>Transformer width: 129 mm                               | Current range: 2500 ... 4000 A | Page: 72 |
| <b>ASK 123.3</b>  | Bus bar 1: 123 x 30 mm<br>Bus bar 2: 3x 100 x 10 mm<br>Round conductor: 100 mm<br>Transformer width: 172 mm | Current range: 750 ... 3000 A  | Page: 73 |
| <b>ASK 127.4</b>  | Bus bar 1: 120 x 70 mm<br>Round conductor: 70 mm<br>Transformer width: 159 mm                               | Current range: 1000 ... 2500 A | Page: 74 |
| <b>ASK 127.6</b>  | Bus bar 1: 120 x 70 mm<br>Round conductor: 70 mm<br>Transformer width: 205 mm                               | Current range: 1000 ... 6000 A | Page: 75 |
| <b>ASK 128.4</b>  | Bus bar 1: 128 x 38 mm<br>Round conductor: 38 mm<br>Transformer width: 100 mm                               | Current range: 400 ... 2500 A  | Page: 76 |
| <b>ASK 129.10</b> | Bus bar 1: 120 x 90 mm<br>Round conductor: 90 mm<br>Transformer width: 250 mm                               | Current range: 1000 ... 7500 A | Page: 77 |
| <b>ASK 130.3</b>  | Bus bar 1: 130 x 25 mm<br>Round conductor: 25 mm<br>Transformer width: 180 mm                               | Current range: 300 ... 1600 A  | Page: 78 |
| <b>ASK 130.5</b>  | Bus bar 1: 130 x 30 mm<br>Round conductor: 30 mm<br>Transformer width: 180 mm                               | Current range: 300 ... 3200 A  | Page: 79 |
| <b>ASK 165.5</b>  | Bus bar 1: 190 x 60 mm<br>Bus bar 2: 3x 160 x 10 mm<br>Transformer width: 266 mm                            | Current range: 1000 ... 4000 A | Page: 80 |
| <b>ASK 205.5</b>  | Bus bar 1: 230 x 60 mm<br>Bus bar 2: 3x 200 x 10 mm<br>Transformer width: 306 mm                            | Current range: 1200 ... 5000 A | Page: 84 |

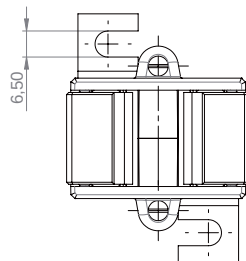
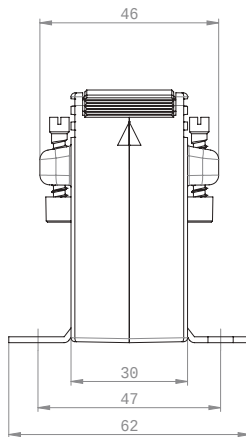
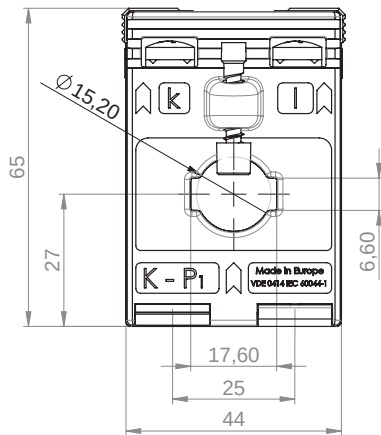


## ASK 176.3

### Plug-in current transformer



|                   |           |
|-------------------|-----------|
| Bus bar 1         | 17 x 6 mm |
| Round conductor   | 15,2 mm   |
| Transformer width | 45 mm     |
| Height            | 65 mm     |
| Depth             | 46 mm     |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 75                  | 1,5         | 1020006009                    |                            | 1020206009               |                            |
| 80                  | 1,5         | 1020006010                    |                            | 1020206010               |                            |
| 100                 | 1           |                               | 1020005007                 |                          | 1020205007                 |
|                     | 2           | 1020006001                    |                            | 1020206001               |                            |
| 125                 | 1,5         |                               | 1020005008                 |                          | 1020205008                 |
|                     | 2,5         | 1020006002                    |                            | 1020206002               |                            |
| 150                 | 1,5         | 1020006007                    | 1020005001                 | 1020206007               | 1020205001                 |
|                     | 2,5         | 1020006003                    | 1020005006                 | 1020206003               | 1020205006                 |
| 160                 | 2,5         | 1020006004                    | 1020005004                 | 1020206004               | 1020205004                 |
| 200                 | 2,5         | 1020006005                    | 1020005002                 | 1020206005               | 1020205002                 |
| 250                 | 2,5         | 1020006008                    | 1020005003                 | 1020206008               | 1020205003                 |
|                     | 3,75        | 1020006006                    |                            | 1020206006               |                            |

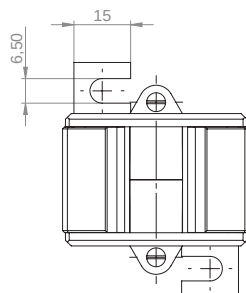
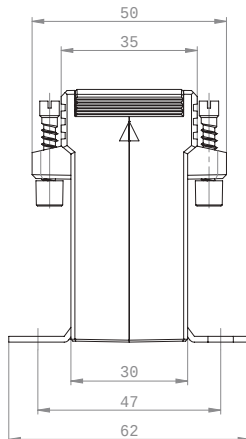
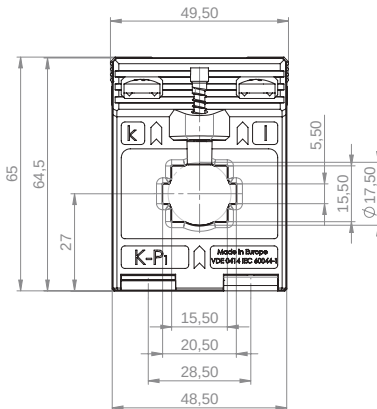
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type E</b> | <b>55013</b> |
|  | <b>Sealed shutter</b>           | -            |

## ASK 205.3

### Plug-in current transformer



Bus bar 1            20 x 5 mm  
 Round conductor    17,5 mm  
 Transformer width   49,5 mm  
 Height                65 mm  
 Depth                 50 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 60                  | 1           | 2019                          | 2219                     |
| 75                  | 1           | 2020                          | 2220                     |
| 80                  | 1,25        | 2021                          | 2221                     |
| 100                 | 1,25        | 2022                          | 2222                     |
|                     | 1,5         | 2023                          | 2223                     |
| 150                 | 1,5         | 2024                          | 2224                     |
|                     | 2,5         | 2025                          | 2225                     |
| 200                 | 1,5         | 2026                          | 2226                     |
|                     | 2,5         | 2027                          | 2227                     |
| 250                 | 2,5         | 2028                          | 2228                     |
|                     | 5           | 2029                          | 2229                     |
| 300                 | 2,5         | 2030                          | 2230                     |
|                     | 5           | 2031                          | 2231                     |
| 400                 | 2,5         | 2032                          | 2232                     |
|                     | 5           | 2033                          | 2233                     |

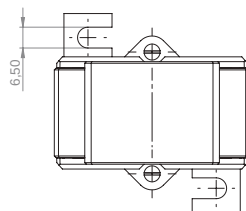
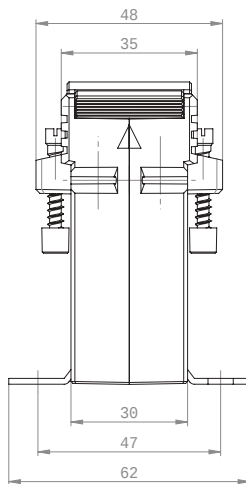
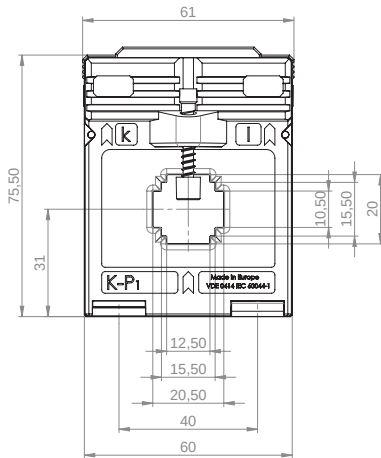
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type F</b> | <b>55014</b> |
|  | <b>Sealed shutter</b>           | —            |

## ASK 21.3

### Plug-in current transformer



Bus bar 1                    20 x 10 mm  
 Round conductor            19,2 mm  
 Transformer width         61 mm  
 Height                        75,5 mm  
 Depth                         48 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1           | 6035                          |                            |                             | 6235                     |                            |
| 60                  | 1           | 6037                          |                            |                             | 6237                     |                            |
|                     | 1,5         | 6038                          |                            |                             | 6238                     |                            |
| 75                  | 1,5         | 6039                          |                            |                             | 6239                     |                            |
|                     | 2,5         | 6040                          |                            |                             | 6240                     |                            |
| 80                  | 1,5         | 6041                          |                            |                             | 6241                     |                            |
|                     | 2,5         | 6042                          |                            |                             | 6242                     |                            |
| 100                 | 1,5         | 6043                          | 6011                       |                             | 6243                     | 6211                       |
|                     | 2,5         | 6044                          | 6111                       |                             | 6244                     | 6311                       |
|                     | 3,75        | 6077                          |                            |                             | 6277                     |                            |
| 150                 | 1,5         | 6046                          | 6012                       | V10-1604C                   | 6246                     | 6212                       |
|                     | 2,5         | 6047                          | 6013                       | V10-1604D                   | 6247                     | 6213                       |
|                     | 5           | 6048                          |                            |                             | 6248                     |                            |
| 200                 | 2,5         | 6049                          | 6015                       | V10-1704D                   | 6249                     | 6215                       |
|                     | 5           | 6050                          | 6016                       | V10-1704F                   | 6250                     | 6216                       |
|                     | 7,5         | 6083                          |                            |                             | 6283                     |                            |
|                     | 10          | 6051                          |                            |                             | 6251                     |                            |
| 250                 | 2,5         | 6052                          | 6018                       | V10-1804D                   | 6252                     | 6218                       |
|                     | 5           | 6053                          | 6019                       | V10-1804F                   | 6253                     | 6219                       |
|                     | 10          | 6054                          | 6020                       |                             | 6254                     | 6220                       |
| 300                 | 2,5         | 6056                          | 6022                       | V10-1904D                   | 6256                     | 6222                       |
|                     | 5           | 6057                          | 6023                       | V10-1904F                   | 6257                     | 6223                       |
|                     | 10          | 6058                          | 6024                       |                             | 6258                     | 6224                       |
| 400                 | 2,5         | 6060                          | 6025                       | V10-2004D                   | 6260                     | 6225                       |
|                     | 5           | 6061                          | 6026                       | V10-2004F                   | 6261                     | 6226                       |
|                     | 10          | 6062                          | 6027                       |                             | 6262                     | 6227                       |
|                     | 15          | 6063                          |                            |                             | 6263                     |                            |
| 500                 | 2,5         | 6064                          | 6028                       | V10-2104D                   | 6264                     | 6228                       |
|                     | 5           | 6065                          | 6029                       | V10-2104F                   | 6265                     | 6229                       |
|                     | 10          | 6066                          | 6030                       |                             | 6266                     | 6230                       |

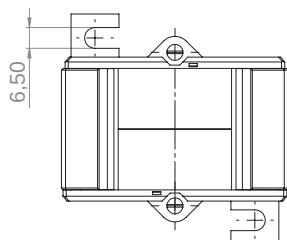
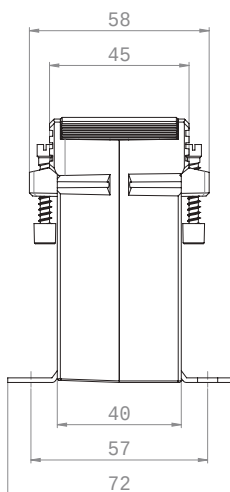
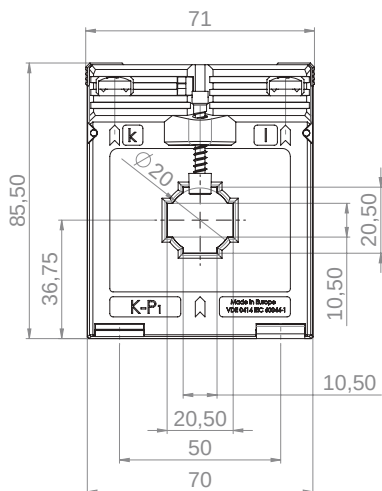
|  |                          | Art.-no. |
|--|--------------------------|----------|
|  | Snap-on mounting, type A | 53011    |
|  | Sealed shutter, type A   | 59040    |

## ASK 421.4

### Plug-in current transformer



Bus bar 1            20 x 10 mm  
 Round conductor    20 mm  
 Transformer width   71 mm  
 Height                85,5 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 40                  | 1,5         | 12034                         |                            | 12234                    |                            |
| 50                  | 1,5         | 12035                         | 12011                      | 12235                    | 12211                      |
|                     | 2,5         | 12036                         |                            | 12236                    |                            |
| 60                  | 1,5         | 12037                         | 12012                      | 12237                    | 12212                      |
|                     | 2,5         | 12038                         |                            | 12238                    |                            |
| 75                  | 1,5         |                               | 12009                      |                          | 12209                      |
|                     | 2,5         | 12040                         | 12013                      | 12240                    | 12213                      |
|                     | 3,75        | 12069                         |                            | 12269                    |                            |
| 80                  | 1,5         |                               | 12010                      |                          | 12210                      |
|                     | 2,5         | 12042                         | 12014                      | 12242                    | 12214                      |
|                     | 3,75        | 12068                         |                            | 12268                    |                            |
|                     | 5           |                               |                            | 12243                    |                            |
| 100                 | 2,5         | 12044                         | 12015                      | 12244                    | 12215                      |
|                     | 5           | 12045                         |                            | 12245                    |                            |
| 125                 | 2,5         | 12047                         | 12017                      | 12247                    | 12217                      |
|                     | 5           | 12048                         | 12018                      | 12248                    | 12218                      |
| 150                 | 2,5         | 12112                         | 12019                      | 12293                    | 12219                      |
|                     | 5           | 12050                         | 12020                      | 12250                    | 12220                      |
|                     | 10          | 12051                         |                            | 12251                    |                            |
| 200                 | 2,5         | 12276                         | 12021                      | 12294                    | 12221                      |
|                     | 5           | 12053                         | 12022                      | 12253                    | 12222                      |
|                     | 10          | 12054                         |                            | 12254                    |                            |
|                     | 15          | 12055                         |                            | 12255                    |                            |
| 250                 | 5           | 12056                         | 12023                      | 12256                    | 12223                      |
|                     | 10          | 12057                         | 12024                      | 12257                    | 12224                      |
|                     | 15          | 12058                         |                            | 12258                    |                            |
| 300                 | 5           | 12059                         | 12025                      | 12259                    | 12225                      |
|                     | 10          | 12060                         | 12026                      | 12260                    | 12226                      |
|                     | 15          | 12061                         |                            | 12261                    |                            |
| 400                 | 5           | 12113                         | 12027                      | 12295                    | 12227                      |
|                     | 10          | 12062                         | 12028                      | 12262                    | 12228                      |
|                     | 15          | 12063                         | 12029                      | 12263                    | 12229                      |
| 500                 | 5           | 12280                         | 12030                      | 12296                    | 12230                      |
|                     | 10          | 12065                         | 12031                      | 12265                    | 12231                      |
|                     | 15          | 12066                         | 12032                      | 12266                    | 12232                      |

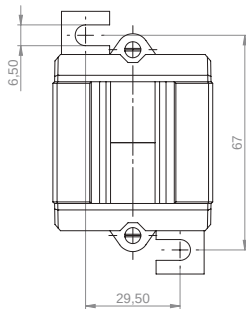
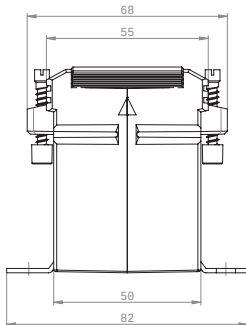
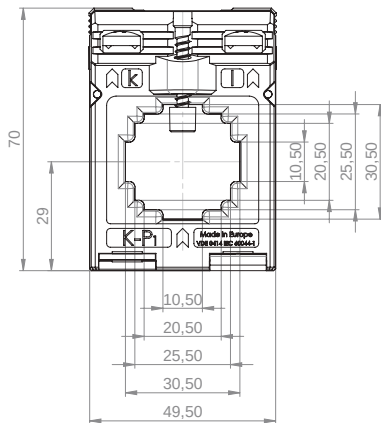
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type D</b> | <b>55012</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## ASK 231.5

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 30 x 10 mm |
| Round conductor   | 28 mm      |
| Transformer width | 50 mm      |
| Height            | 70 mm      |
| Depth             | 68 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 60                  | 1           | 92052                         |                            | 92252                    |                            |
| 75                  | 1,25        | 92054                         |                            | 92254                    |                            |
| 80                  | 1,25        | 92056                         |                            | 92256                    |                            |
| 100                 | 1,5         | 92059                         |                            | 92259                    |                            |
| 125                 | 1,5         | 92062                         |                            | 92262                    | 92220                      |
|                     | 2,5         | 92063                         |                            | 92263                    |                            |
| 150                 | 1,5         | 92065                         |                            | 92265                    | 92223                      |
|                     | 2,5         | 92066                         |                            | 92266                    |                            |
| 200                 | 2,5         | 92068                         | 92026                      | 92268                    | 92226                      |
| 250                 | 2,5         | 92071                         | 92028                      | 92271                    | 92228                      |
|                     | 5           |                               |                            | 92272                    |                            |
| 300                 | 2,5         | 92074                         | 92030                      | 92274                    | 92230                      |
|                     | 5           | 92075                         |                            | 92275                    |                            |
| 400                 | 2,5         | 92077                         | 92032                      | 92277                    | 92232                      |
|                     | 5           | 92078                         | 92033                      | 92278                    | 92233                      |
| 500                 | 2,5         | 92081                         | 92035                      | 92281                    | 92235                      |
|                     | 5           | 92082                         | 92036                      | 92282                    | 92236                      |

|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## MBS AG

Eisbachstraße 51 - 74429 Sulzbach-Laufen  
Germany

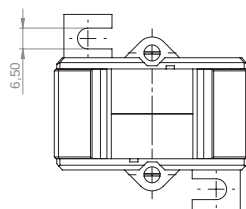
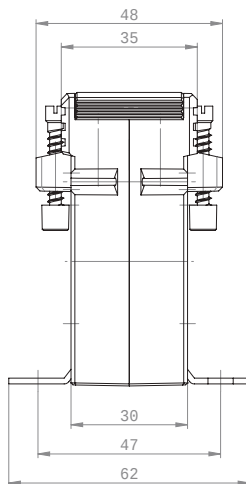
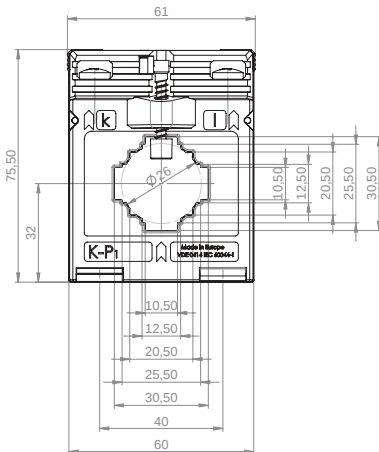
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
E-Mail: [info@mbs-ag.com](mailto:info@mbs-ag.com) - Web: [www.mbs-ag.com](http://www.mbs-ag.com)

## ASK 31.3

### Plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 26 mm          |
| Transformer width | 61 mm          |
| Height            | 75,5 mm        |
| Depth             | 48 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                      |                       |                    |                      |
|---------------------|-------------|-------------------------------|----------------------|-----------------------|--------------------|----------------------|
|                     |             | 5 A Cl. 1 Art.-no.            | 5 A Cl. 0,5 Art.-no. | 5 A Cl. 0,2s Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 50                  | 1           | 7038                          |                      |                       | 7238               |                      |
| 60                  | 1           | 7039                          |                      |                       | 7239               |                      |
| 75                  | 1           | 7040                          |                      |                       | 7240               |                      |
|                     | 1,5         | 7041                          |                      |                       | 7241               |                      |
| 80                  | 1,5         | 7042                          |                      |                       | 7242               |                      |
|                     | 2,5         | 7043                          |                      |                       | 7243               |                      |
| 100                 | 1,5         | 7044                          | 7011                 |                       | 7244               | 7211                 |
|                     | 2,5         | 7045                          | 7012                 |                       | 7245               | 7212                 |
| 150                 | 1,5         | 7046                          | 7013                 | V11-1604C             | 7246               | 7213                 |
|                     | 2,5         | 7047                          | 7014                 |                       | 7247               | 7214                 |
| 200                 | 1,5         | 7048                          | 7015                 | V11-1704C             | 7248               | 7215                 |
|                     | 2,5         | 7049                          | 7016                 | V11-1704D             | 7249               | 7216                 |
|                     | 5           | 7050                          | 7017                 |                       | 7250               |                      |
| 250                 | 1,5         | 7051                          | 7018                 | V11-1804C             | 7251               | 7218                 |
|                     | 2,5         | 7052                          | 7019                 | V11-1804D             | 7252               | 7219                 |
|                     | 5           | 7053                          | 7020                 | V11-1804F             | 7253               | 7220                 |
| 300                 | 1,5         | 7055                          | 7021                 | V11-1904C             | 7255               | 7221                 |
|                     | 2,5         | 7056                          | 7022                 | V11-1904D             | 7256               | 7222                 |
|                     | 5           | 7057                          | 7023                 | V11-1904F             | 7257               | 7223                 |
| 400                 | 1,5         | 7059                          |                      | V11-2004C             | 7259               |                      |
|                     | 2,5         | 7060                          | 7025                 | V11-2004D             | 7260               | 7225                 |
|                     | 5           | 7061                          | 7026                 | V11-2004F             | 7261               | 7226                 |
|                     | 10          | 7062                          |                      |                       | 7262               |                      |
| 500                 | 2,5         | 7063                          | 7028                 | V11-2104D             | 7263               | 7228                 |
|                     | 5           | 7064                          | 7029                 | V11-2104F             | 7264               | 7229                 |
|                     | 10          | 7065                          | 7030                 |                       | 7265               | 7230                 |
| 600                 | 2,5         | 7066                          | 7031                 | V11-2204D             | 7266               | 7231                 |
|                     | 5           | 7067                          | 7032                 | V11-2204F             | 7267               | 7232                 |
|                     | 10          | 7068                          | 7033                 |                       | 7268               | 7233                 |
| 750                 | 2,5         | 7070                          | 7035                 | V11-2304D             | 7270               | 7235                 |
|                     | 5           | 7071                          | 7036                 | V11-2304F             | 7271               | 7236                 |
|                     | 10          | 7072                          | 7037                 |                       | 7272               | 7237                 |

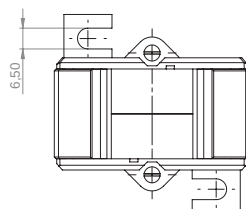
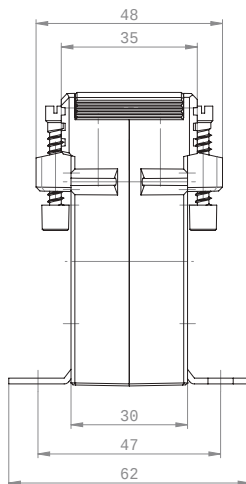
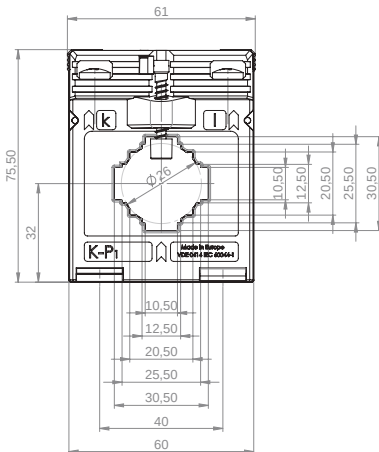
|  |                          | Art.-no. |
|--|--------------------------|----------|
|  | Snap-on mounting, type A | 53011    |
|  | Sealed shutter, type A   | 59040    |

## ASK 31.3 2U

Plug-in current transformer, secondary reconnectable



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 26 mm          |
| Transformer width | 61 mm          |
| Height            | 75,5 mm        |
| Depth             | 48 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 200-100             | 5-2,5       | 7111                          | 7311                     |
| 300-150             | 5-2,5       | 7112                          | 7312                     |
| 400-200             | 5-2,5       | 7113                          | 7313                     |
|                     | 10-5        | 7114                          | 7314                     |
| 500-250             | 5-2,5       | 7115                          | 7315                     |
|                     | 10-5        | 7116                          | 7316                     |
| 600-300             | 10-5        | 7117                          | 7317                     |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |

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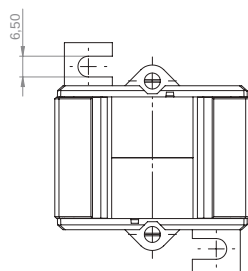
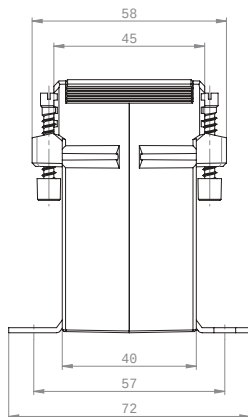
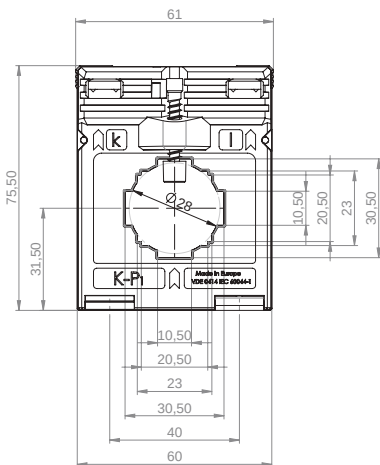


## ASK 31.4

### Plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 28 mm          |
| Transformer width | 61 mm          |
| Height            | 75,5 mm        |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1,25        | 8157                          |                            |                             | 8357                     |                            |
|                     | 1,5         | 8038                          |                            |                             |                          |                            |
| 60                  | 1,25        | 8158                          |                            |                             | 8358                     |                            |
|                     | 1,5         | 8039                          |                            |                             | 8239                     |                            |
| 75                  | 1,5         | 8041                          |                            |                             | 8241                     |                            |
|                     | 2,5         | 8042                          |                            |                             | 8242                     |                            |
| 80                  | 1,5         | 8043                          |                            |                             | 8243                     |                            |
|                     | 2,5         | 8044                          |                            |                             | 8244                     |                            |
| 100                 | 1,5         | 8045                          | 8011                       |                             | 8245                     | 8211                       |
|                     | 2,5         | 8046                          | 8010                       |                             | 8246                     | 8210                       |
|                     | 3,75        | 8152                          |                            |                             | 8276                     |                            |
| 150                 | 1,5         | 8048                          | 8012                       | V14-1604C                   | 8248                     | 8212                       |
|                     | 2,5         | 8049                          | 8013                       | V14-1604D                   | 8249                     | 8213                       |
|                     | 5           | 8050                          | 8410                       |                             | 8250                     |                            |
| 200                 | 2,5         | 8052                          | 8014                       | V14-1704D                   | 8252                     | 8214                       |
|                     | 5           | 8053                          | 8015                       | V14-1704F                   | 8253                     | 8215                       |
|                     | 7,5         | 8161                          |                            |                             | 8281                     |                            |
|                     | 10          |                               |                            |                             | 8254                     |                            |
| 250                 | 2,5         | 8055                          | 8016                       | V14-1804D                   | 8255                     | 8216                       |
|                     | 5           | 8056                          | 8017                       | V14-1804F                   | 8256                     | 8217                       |
|                     | 10          | 8057                          |                            |                             | 8257                     |                            |
| 300                 | 2,5         | 8059                          | 8018                       | V14-1904D                   | 8259                     | 8218                       |
|                     | 5           | 8060                          | 8019                       | V14-1904F                   | 8260                     | 8219                       |
|                     | 10          | 8061                          | 8020                       |                             | 8261                     | 8220                       |
|                     | 15          |                               |                            |                             | 8262                     |                            |
| 400                 | 2,5         | 8063                          | 8021                       | V14-2004D                   | 8263                     | 8221                       |
|                     | 5           | 8064                          | 8022                       | V14-2004F                   | 8264                     | 8222                       |
|                     | 10          | 8065                          | 8023                       |                             | 8265                     | 8223                       |
|                     | 15          |                               |                            |                             | 8266                     |                            |
| 500                 | 2,5         | 8067                          | 8025                       | V14-2104D                   | 8267                     | 8225                       |
|                     | 5           | 8068                          | 8026                       | V14-2104F                   | 8268                     | 8226                       |
|                     | 10          | 8069                          | 8027                       |                             | 8269                     | 8227                       |
| 600                 | 2,5         | 8071                          | 8029                       | V14-2204D                   | 8271                     | 8229                       |
|                     | 5           | 8072                          | 8030                       | V14-2204F                   | 8272                     | 8230                       |
|                     | 10          | 8073                          | 8031                       | V14-2204H                   | 8273                     | 8231                       |
|                     | 15          | 8074                          | 8032                       |                             | 8274                     | 8232                       |
| 750                 | 2,5         | 8153                          | 8033                       | V14-2304D                   | 8353                     | 8233                       |
|                     | 5           | 8154                          | 8034                       | V14-2304F                   | 8354                     | 8234                       |
|                     | 10          | 8155                          | 8035                       | V14-2304H                   | 8355                     | 8235                       |
|                     | 15          | 8156                          | 8036                       |                             | 8356                     | 8236                       |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type B</b> | <b>54011</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

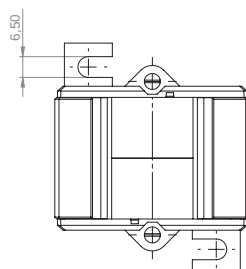
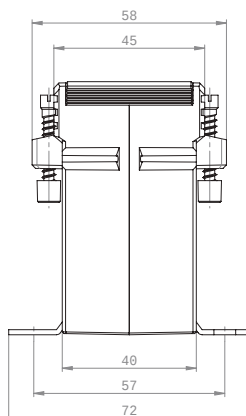
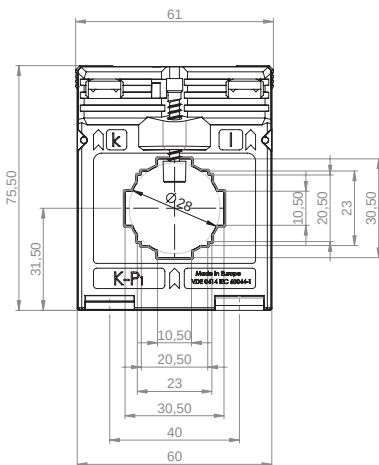
## ASK 31.4 2U

Plug-in current transformer, secondary reconnectable



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 28 mm          |
| Transformer width | 61 mm          |
| Height            | 75,5 mm        |
| Depth             | 58 mm          |

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 200-100             | 5-2,5       | 8117                          | 8317                     |
| 300-150             | 5-2,5       | 8118                          | 8318                     |
|                     | 10-5        | 8119                          | 8319                     |
| 400-200             | 5-2,5       | 8120                          | 8320                     |
|                     | 10-5        | 8121                          | 8321                     |
| 500-250             | 5-2,5       | 8122                          | 8322                     |
|                     | 10-5        | 8123                          | 8323                     |
| 600-300             | 5-2,5       | 8124                          | 8324                     |
|                     | 10-5        | 8125                          | 8325                     |
|                     | 15-7,5      | 8126                          | 8326                     |



## ASK 31.4 3U

Plug-in current transformer, secondary reconnectable

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 300-200-100         | 10-5-2,5    | 8137                          | 8337                     |
| 400-200-100         | 10-5-2,5    | 8138                          | 8338                     |
| 600-300-150         | 10-5-2,5    | 8139                          | 8339                     |
|                     | 15-10-5     | 8140                          | 8340                     |
| 600-400-200         | 10-5-2,5    | 8141                          | 8341                     |
|                     | 15-10-5     | 8142                          | 8342                     |

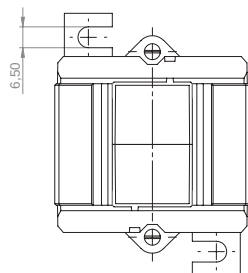
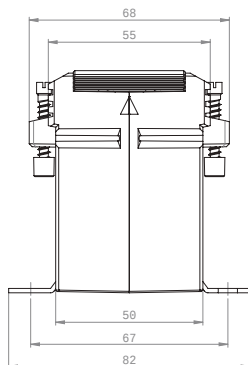
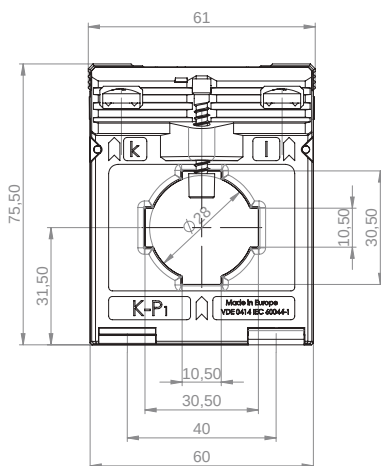
|  |                          | Art.-no. |
|--|--------------------------|----------|
|  | Snap-on mounting, type B | 54011    |
|  | Sealed shutter, type B   | 59041    |

## ASK 31.5

### Plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 28 mm          |
| Transformer width | 61 mm          |
| Height            | 75,5 mm        |
| Depth             | 68 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 40                  | 1           | 9043                          |                            | 9243                     |                            |
| 50                  | 1,5         | 9045                          |                            | 9245                     |                            |
| 60                  | 1,5         | 9047                          |                            | 9247                     |                            |
|                     | 2,5         | 9048                          |                            | 9248                     |                            |
| 75                  | 1,5         | 9049                          | 9011                       | 9249                     | 9211                       |
|                     | 2,5         | 9050                          | 9012                       | 9250                     | 9212                       |
| 80                  | 1,5         | 9051                          | 9013                       | 9251                     | 9213                       |
|                     | 2,5         | 9052                          | 9014                       | 9252                     | 9214                       |
| 100                 | 1,5         | 9054                          | 9015                       | 9254                     | 9215                       |
|                     | 2,5         | 9055                          | 9016                       | 9255                     | 9216                       |
|                     | 5           | 9056                          | 9017                       | 9256                     | 9217                       |
| 150                 | 2,5         | 9057                          | 9018                       | 9257                     | 9218                       |
|                     | 5           | 9058                          | 9019                       | 9258                     | 9219                       |
|                     | 7,5         | 9059                          |                            | 9259                     |                            |
| 200                 | 2,5         | 9060                          | 9020                       | 9260                     | 9220                       |
|                     | 5           | 9061                          | 9021                       | 9261                     | 9221                       |
|                     | 10          | 9062                          | 9022                       | 9262                     | 9222                       |
| 250                 | 5           | 9064                          | 9023                       | 9264                     | 9223                       |
|                     | 10          | 9065                          | 9024                       | 9265                     | 9224                       |
|                     | 15          | 9066                          | 9025                       | 9266                     | 9225                       |
| 300                 | 5           | 9067                          | 9026                       | 9267                     | 9226                       |
|                     | 10          | 9068                          | 9027                       | 9268                     | 9227                       |
|                     | 15          | 9069                          | 9028                       | 9269                     | 9228                       |
| 400                 | 5           | 9070                          | 9029                       | 9270                     | 9229                       |
|                     | 10          | 9071                          | 9030                       | 9271                     | 9230                       |
|                     | 15          | 9072                          | 9031                       | 9272                     | 9231                       |
| 500                 | 5           | 9074                          | 9032                       | 9274                     | 9232                       |
|                     | 10          | 9075                          | 9033                       | 9275                     | 9233                       |
|                     | 15          | 9076                          | 9034                       | 9276                     | 9234                       |
| 600                 | 5           | 9078                          | 9035                       | 9278                     | 9235                       |
|                     | 10          | 9079                          | 9036                       | 9279                     | 9236                       |
|                     | 15          | 9080                          | 9037                       | 9280                     | 9237                       |
| 750                 | 5           | 9082                          | 9038                       | 9282                     | 9238                       |
|                     | 10          | 9083                          | 9039                       | 9283                     | 9239                       |
|                     | 15          | 9084                          | 9040                       | 9284                     | 9240                       |

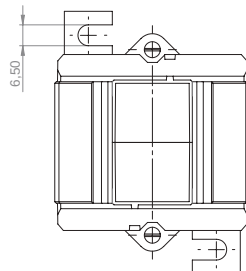
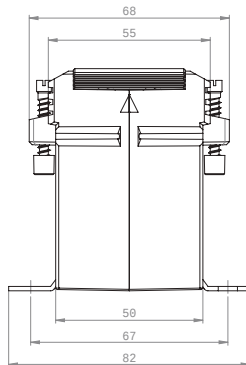
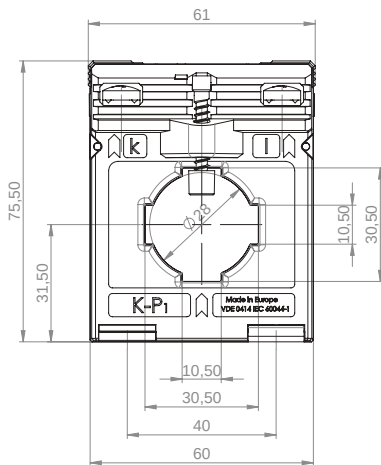
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type C</b> | <b>55011</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## ASK 31.5 2U

Plug-in current transformer, secondary reconnectable



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 28 mm          |
| Transformer width | 61 mm          |
| Height            | 75,5 mm        |
| Depth             | 68 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 150-75              | 5-2,5       | 9132                          | 9332                     |
| 200-100             | 5-2,5       | 9133                          | 9333                     |
|                     | 10-5        | 9134                          | 9334                     |
| 300-150             | 5-2,5       | 9135                          | 9335                     |
|                     | 10-5        | 9136                          | 9336                     |
|                     | 15-7,5      | 9137                          | 9337                     |
| 400-200             | 5-2,5       | 9138                          | 9338                     |
|                     | 10-5        | 9139                          | 9339                     |
|                     | 15-7,5      | 9140                          | 9340                     |
| 500-250             | 5-2,5       | 9141                          | 9341                     |
|                     | 10-5        | 9142                          | 9342                     |
|                     | 15-7,5      | 9143                          | 9343                     |
| 600-300             | 5-2,5       | 9144                          | 9344                     |
|                     | 10-5        | 9145                          | 9345                     |
|                     | 15-7,5      | 9146                          | 9346                     |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type C</b> | <b>55011</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

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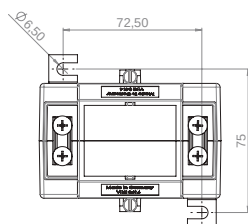
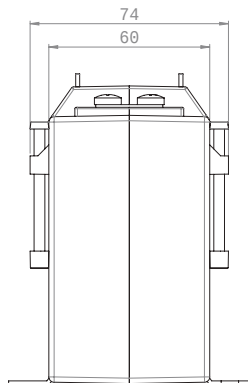
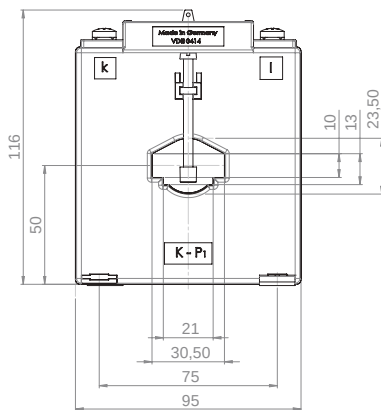
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## ASK 31.6

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 30 x 10 mm |
| Bus bar 2         | 20 x 13 mm |
| Round conductor   | 23 mm      |
| Transformer width | 95 mm      |
| Height            | 116 mm     |
| Depth             | 74 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 40                  | 1,5         | 10056                         |                            | 10256                    |                            |
| 50                  | 1,5         |                               | 10011                      |                          |                            |
|                     | 2,5         | 10058                         | 10012                      |                          |                            |
| 60                  | 1,5         |                               | 10013                      |                          | 10213                      |
|                     | 2,5         | 10059                         | 10014                      | 10259                    | 10214                      |
|                     | 3,75        | 10060                         |                            | 10260                    |                            |
| 75                  | 2,5         | 10061                         | 10015                      | 10261                    | 10215                      |
|                     | 5           | 10062                         | 10016                      | 10262                    | 10216                      |
| 80                  | 2,5         | 10063                         | 10017                      | 10263                    | 10217                      |
|                     | 5           | 10064                         | 10018                      | 10264                    | 10218                      |
|                     | 10          | 10065                         |                            | 10265                    |                            |
| 100                 | 2,5         | 10066                         | 10019                      | 10266                    | 10219                      |
|                     | 5           | 10067                         | 10020                      | 10267                    | 10220                      |
|                     | 10          | 10068                         | 10021                      | 10268                    | 10221                      |
| 150                 | 2,5         |                               | 10022                      |                          | 10222                      |
|                     | 5           | 10070                         | 10023                      | 10270                    | 10223                      |
|                     | 10          | 10071                         | 10024                      | 10271                    | 10224                      |
|                     | 15          | 10072                         | 10025                      | 10272                    | 10225                      |
| 200                 | 2,5         |                               | 10026                      |                          | 10226                      |
|                     | 5           | 10073                         | 10027                      | 10273                    | 10227                      |
|                     | 10          | 10074                         | 10028                      | 10274                    | 10228                      |
|                     | 15          | 10075                         | 10029                      | 10275                    | 10229                      |
|                     | 30          | 10120                         |                            | 10320                    |                            |
| 250                 | 5           | 10076                         | 10030                      | 10276                    | 10230                      |
|                     | 10          | 10077                         | 10031                      | 10277                    | 10231                      |
|                     | 15          | 10078                         | 10032                      | 10278                    | 10232                      |
|                     | 30          | 10124                         |                            | 10324                    |                            |
| 300                 | 5           | 10079                         | 10034                      | 10279                    | 10234                      |
|                     | 10          | 10080                         | 10035                      | 10280                    | 10235                      |
|                     | 15          | 10081                         | 10036                      | 10281                    | 10236                      |
|                     | 30          | 10125                         |                            | 10325                    |                            |
| 400                 | 5           | 10082                         | 10038                      | 10282                    | 10238                      |
|                     | 10          | 10083                         | 10039                      | 10283                    | 10239                      |
|                     | 15          | 10084                         | 10040                      | 10284                    | 10240                      |
|                     | 30          | 10406                         |                            | 10326                    |                            |
| 500                 | 5           | 10085                         | 10042                      | 10285                    | 10242                      |
|                     | 10          | 10086                         | 10043                      | 10286                    | 10243                      |
|                     | 15          | 10087                         | 10044                      | 10287                    | 10244                      |
|                     | 30          | 10121                         | 10045                      | 10321                    | 10245                      |
| 600                 | 5           | 10088                         | 10046                      | 10288                    | 10246                      |
|                     | 10          | 10089                         | 10047                      | 10289                    | 10247                      |
|                     | 15          | 10090                         | 10048                      | 10290                    | 10248                      |
|                     | 30          | 10122                         | 10049                      | 10322                    | 10249                      |
| 750                 | 5           | 10091                         | 10050                      | 10291                    | 10250                      |
|                     | 10          | 10092                         | 10051                      | 10292                    | 10251                      |
|                     | 15          | 10093                         | 10052                      | 10293                    | 10252                      |
|                     | 30          | 10123                         | 10053                      | 10323                    | 10253                      |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type E | 59044    |

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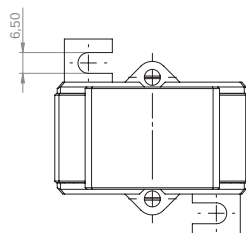
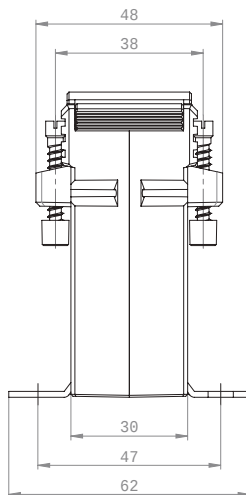
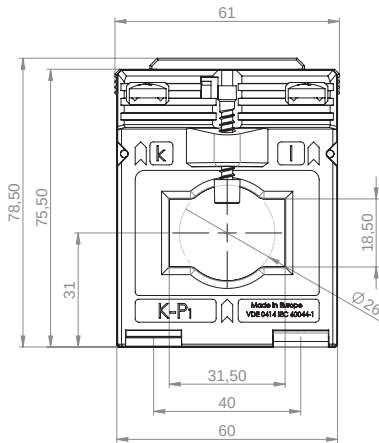
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E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## ASK 318.3

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 31 x 18 mm |
| Round conductor   | 26 mm      |
| Transformer width | 61 mm      |
| Height            | 75,5 mm    |
| Depth             | 48 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 60                  | 1           | 29042                         |                            |                          |                            |
| 80                  | 1,5         | 29045                         |                            | 29245                    |                            |
| 100                 | 1,5         | 29047                         | 29011                      | 29247                    | 29211                      |
|                     | 2,5         | 29048                         |                            | 29248                    |                            |
| 150                 | 1,5         | 29049                         | 29013                      | 29249                    | 29213                      |
|                     | 2,5         | 29050                         |                            | 29250                    | 29214                      |
| 200                 | 2,5         | 29052                         | 29016                      | 29252                    | 29216                      |
|                     | 3,75        | 29054                         |                            | 29254                    |                            |
|                     | 5           |                               |                            | 29253                    |                            |
| 250                 | 2,5         | 29055                         | 29019                      | 29255                    | 29219                      |
|                     | 5           | 29056                         | 29020                      | 29256                    |                            |
| 300                 | 2,5         | 29059                         | 29023                      | 29259                    | 29223                      |
|                     | 5           | 29060                         | 29024                      | 29260                    | 29224                      |
| 400                 | 2,5         | 29063                         | 29027                      | 29263                    | 29227                      |
|                     | 5           | 29064                         | 29028                      | 29264                    | 29228                      |
|                     | 7,5         | 29077                         |                            | 29277                    |                            |
|                     | 10          | 29065                         |                            | 29265                    |                            |
| 500                 | 2,5         | 29066                         | 29030                      | 29266                    | 29230                      |
|                     | 5           | 29067                         | 29031                      | 29267                    | 29231                      |
|                     | 10          | 29068                         |                            | 29268                    |                            |
| 600                 | 2,5         | 29069                         | 29033                      | 29269                    | 29233                      |
|                     | 5           | 29070                         | 29034                      | 29270                    | 29234                      |
|                     | 10          | 29071                         | 29035                      | 29271                    | 29235                      |

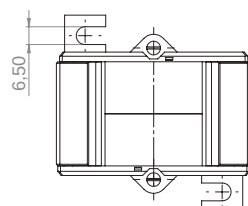
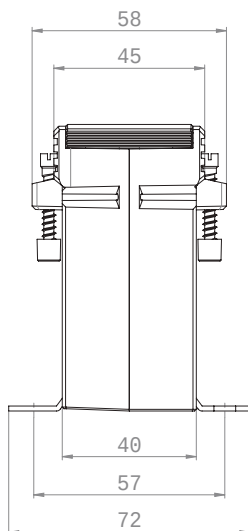
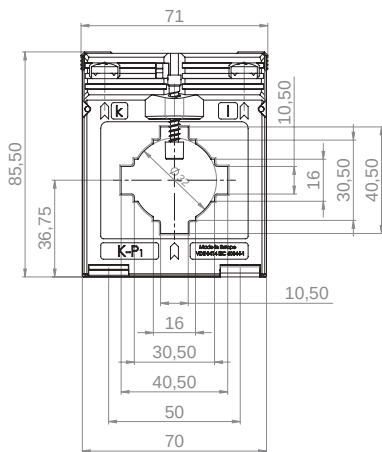
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |

## ASK 41.4

### Plug-in current transformer



|                   |               |
|-------------------|---------------|
| Bus bar 1         | 40 x 10 mm    |
| Bus bar 2         | 2 x 30 x 5 mm |
| Round conductor   | 32 mm         |
| Transformer width | 71 mm         |
| Height            | 85,5 mm       |
| Depth             | 58 mm         |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1,25        | 13180                         |                            |                             |                          |                            |
|                     | 1,5         | 13036                         |                            |                             |                          |                            |
| 60                  | 1,25        | 13181                         |                            |                             |                          |                            |
|                     | 1,5         | 13037                         |                            |                             |                          |                            |
| 75                  | 1,5         | 13039                         |                            |                             | 13239                    |                            |
| 80                  | 1,5         | 13041                         |                            |                             | 13241                    |                            |
|                     | 2,5         | 13042                         |                            |                             | 13242                    |                            |
| 100                 | 1,5         | 13043                         | 13011                      |                             | 13243                    | 13211                      |
|                     | 2,5         | 13044                         | 13083                      |                             | 13244                    | 13283                      |
|                     | 3,75        | 13179                         |                            |                             | 13245                    |                            |
| 150                 | 1,5         | 13046                         | 13012                      | V24-1604C                   | 13246                    | 13212                      |
|                     | 2,5         | 13047                         | 13013                      |                             | 13247                    | 13213                      |
|                     | 5           | 13048                         |                            |                             | 13248                    |                            |
| 200                 | 1,5         |                               | 13014                      | V24-1704C                   |                          | 13214                      |
|                     | 2,5         | 13049                         | 13015                      | V24-1704D                   | 13249                    | 13215                      |
|                     | 5           | 13050                         | 13085                      |                             | 13250                    | 13285                      |
|                     | 10          | 13051                         |                            |                             | 13251                    |                            |
| 250                 | 1,5         |                               | 13016                      | V24-1804C                   |                          | 13216                      |
|                     | 2,5         | 13052                         | 13017                      | V24-1804D                   | 13252                    | 13217                      |
|                     | 5           | 13053                         | 13086                      | V24-1804F                   | 13253                    | 13286                      |
|                     | 10          | 13054                         |                            |                             | 13254                    |                            |
| 300                 | 2,5         | 13055                         | 13018                      | V24-1904D                   | 13255                    | 13218                      |
|                     | 5           | 13056                         | 13019                      | V24-1904F                   | 13256                    | 13219                      |
|                     | 10          | 13057                         | 13087                      |                             | 13257                    | 13287                      |
|                     | 15          | 13058                         |                            |                             | 13258                    |                            |
| 400                 | 2,5         | 13059                         | 13020                      | V24-2004D                   | 13259                    | 13220                      |
|                     | 5           | 13060                         | 13021                      | V24-2004F                   | 13260                    | 13221                      |
|                     | 10          | 13061                         | 13088                      | V24-2004H                   | 13261                    | 13288                      |
|                     | 15          | 13062                         |                            |                             | 13262                    |                            |
| 500                 | 2,5         | 13063                         | 13022                      | V24-2104D                   | 13263                    | 13222                      |
|                     | 5           | 13064                         | 13023                      | V24-2104F                   | 13264                    | 13223                      |
|                     | 10          | 13065                         | 13024                      | V24-2104H                   | 13265                    | 13224                      |
|                     | 15          | 13066                         | 13089                      |                             | 13266                    | 13289                      |
| 600                 | 2,5         | 13067                         | 13025                      | V24-2204D                   | 13267                    | 13225                      |
|                     | 5           | 13068                         | 13026                      | V24-2204F                   | 13268                    | 13226                      |
|                     | 10          | 13069                         | 13027                      |                             | 13269                    | 13227                      |
|                     | 15          | 13070                         | 13090                      |                             | 13270                    |                            |
| 750                 | 2,5         |                               |                            | V24-2304D                   |                          |                            |
|                     | 5           | 13071                         | 13028                      | V24-2304F                   | 13271                    | 13228                      |
|                     | 10          | 13072                         | 13029                      | V24-2304H                   | 13272                    | 13229                      |
|                     | 15          | 13073                         |                            |                             | 13273                    | 13291                      |
| 800                 | 5           | 13075                         | 13030                      |                             | 13275                    | 13230                      |
|                     | 10          | 13076                         | 13031                      |                             | 13276                    | 13231                      |
|                     | 15          | 13077                         |                            |                             | 13277                    |                            |
| 1000                | 5           | 13079                         | 13032                      |                             | 13279                    | 13232                      |
|                     | 10          | 13080                         | 13033                      |                             | 13280                    | 13233                      |

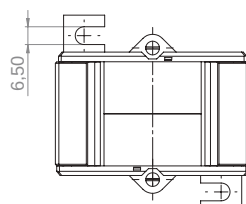
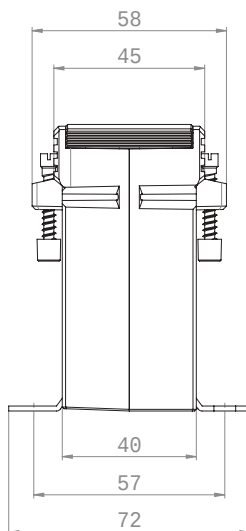
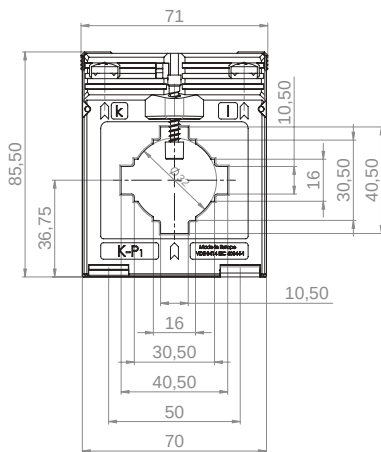
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type D</b> | <b>55012</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## ASK 41.4 2U

Plug-in current transformer, secondary reconnectable



|                   |               |
|-------------------|---------------|
| Bus bar 1         | 40 x 10 mm    |
| Bus bar 2         | 2 x 30 x 5 mm |
| Round conductor   | 32 mm         |
| Transformer width | 71 mm         |
| Height            | 85,5 mm       |
| Depth             | 58 mm         |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 200-100             | 5-2,5       | 13133                         | 13333                    |
| 300-150             | 5-2,5       | 13134                         | 13334                    |
|                     | 10-5        | 13135                         | 13335                    |
| 400-200             | 5-2,5       | 13136                         | 13336                    |
|                     | 10-5        | 13137                         | 13337                    |
| 500-250             | 5-2,5       | 13138                         | 13338                    |
|                     | 10-5        | 13139                         | 13339                    |
| 600-300             | 5-2,5       | 13140                         | 13340                    |
|                     | 10-5        | 13141                         | 13341                    |
| 800-400             | 5-2,5       | 13142                         | 13342                    |
|                     | 10-5        | 13143                         | 13343                    |
|                     | 15-7,5      | 13144                         | 13344                    |
| 1000-500            | 5-2,5       | 13145                         | 13345                    |
|                     | 10-5        | 13146                         | 13346                    |
|                     | 15-7,5      | 13147                         | 13347                    |

## ASK 41.4 3U

Plug-in current transformer, secondary reconnectable

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 400-200-100         | 10-5-2,5    | 13163                         | 13363                    |
| 600-300-150         | 10-5-2,5    | 13164                         | 13364                    |
| 800-400-200         | 10-5-2,5    | 13165                         | 13365                    |
| 1000-500-250        | 10-5-2,5    | 13166                         | 13366                    |
|                     | 15-7,5-2,5  | 13167                         | 13367                    |

|  |                          | Art.-no. |
|--|--------------------------|----------|
|  | Snap-on mounting, type D | 55012    |
|  | Sealed shutter, type B   | 59041    |

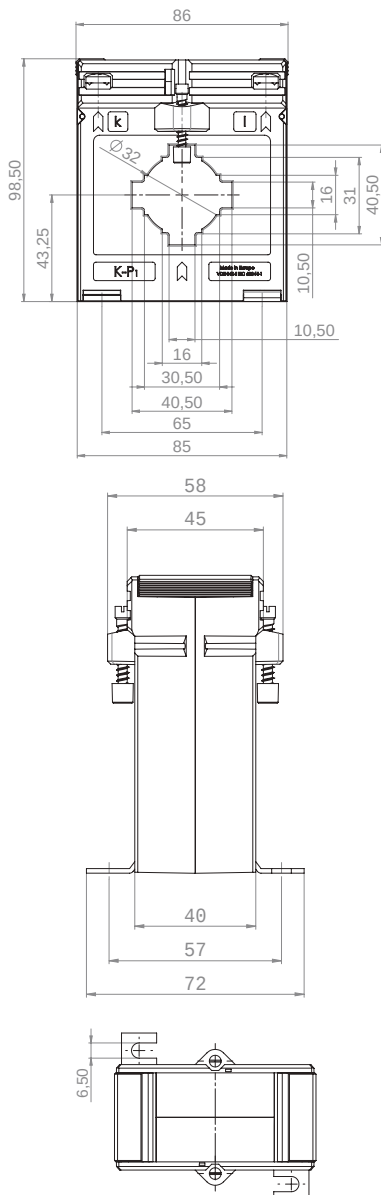


## ASK 541.4

### Plug-in current transformer



|                   |               |
|-------------------|---------------|
| Bus bar 1         | 40 x 10 mm    |
| Bus bar 2         | 2 x 30 x 5 mm |
| Round conductor   | 32 mm         |
| Transformer width | 86 mm         |
| Height            | 98,5 mm       |
| Depth             | 58 mm         |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                      |                       |                    |                      |
|---------------------|-------------|-------------------------------|----------------------|-----------------------|--------------------|----------------------|
|                     |             | 5 A Cl. 1 Art.-no.            | 5 A Cl. 0,5 Art.-no. | 5 A Cl. 0,2s Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 30                  | 1           | 15340                         |                      |                       | 15248              |                      |
|                     | 1,5         | 15048                         |                      |                       |                    |                      |
| 40                  | 1,5         | 15049                         |                      |                       | 15249              |                      |
| 50                  | 1,5         | 15051                         |                      |                       | 15251              |                      |
| 60                  | 1,5         | 15053                         | 15013                |                       | 15253              | 15213                |
|                     | 2,5         | 15054                         |                      |                       | 15254              |                      |
| 75                  | 1,5         | 15055                         | 15014                |                       | 15255              | 15214                |
|                     | 2,5         | 15056                         | 15100                |                       | 15256              | 15300                |
| 80                  | 2,5         | 15057                         | 15016                |                       | 15257              | 15216                |
| 100                 | 2,5         | 15114                         | 15017                |                       | 15314              | 15217                |
|                     | 5           | 15059                         |                      |                       | 15259              |                      |
| 125                 | 2,5         |                               | 15019                |                       |                    | 15219                |
|                     | 5           | 15061                         |                      |                       | 15261              |                      |
| 150                 | 2,5         | 15063                         | 15021                |                       | 15263              | 15221                |
|                     | 5           | 15064                         |                      |                       | 15264              |                      |
|                     | 10          | 15065                         |                      |                       | 15265              |                      |
| 200                 | 2,5         |                               | 15023                | V33-1704D             |                    | 15223                |
|                     | 5           | 15066                         | 15024                | V33-1704F             | 15266              | 15224                |
|                     | 10          | 15067                         | 15101                |                       | 15267              | 15301                |
|                     | 15          | 15068                         | 15102                |                       | 15268              | 15302                |
| 250                 | 2,5         |                               | 15025                | V33-1804D             |                    | 15225                |
|                     | 5           | 15069                         | 15026                | V33-1804F             | 15269              | 15226                |
|                     | 10          | 15070                         | 15103                | V33-1804H             | 15270              | 15303                |
|                     | 15          | 15071                         | 15104                |                       | 15271              | 15304                |
| 300                 | 2,5         |                               | 15027                | V33-1904D             |                    | 15227                |
|                     | 5           | 15072                         | 15028                | V33-1904F             | 15272              | 15228                |
|                     | 10          | 15073                         | 15029                | V33-1904H             | 15273              | 15229                |
|                     | 15          | 15074                         | 15105                |                       | 15274              | 15305                |
| 400                 | 2,5         |                               | 15030                | V33-2004D             |                    | 15230                |
|                     | 5           | 15075                         | 15031                | V33-2004F             | 15275              | 15231                |
|                     | 10          | 15076                         | 15032                | V33-2004H             | 15276              | 15232                |
|                     | 15          | 15077                         | 15139                |                       | 15277              | 15339                |
| 500                 | 2,5         |                               |                      | V33-2104D             |                    |                      |
|                     | 5           | 15098                         | 15033                | V33-2104F             | 15313              | 15233                |
|                     | 10          | 15078                         | 15034                | V33-2104H             | 15278              | 15234                |
|                     | 15          | 15079                         | 15035                | V33-2104J             | 15279              | 15235                |
|                     | 30          | 15080                         |                      |                       | 15280              |                      |
| 600                 | 2,5         |                               |                      | V33-2204D             |                    |                      |
|                     | 5           | 15095                         | 15036                | V33-2204F             | 15293              | 15236                |
|                     | 10          | 15081                         | 15037                | V33-2204H             | 15281              | 15237                |
|                     | 15          | 15082                         | 15038                | V33-2204J             | 15282              | 15238                |
|                     | 30          | 15083                         | 15039                |                       | 15283              | 15239                |
| 750                 | 2,5         |                               |                      | V33-2304D             |                    |                      |
|                     | 5           |                               |                      | V33-2304F             |                    |                      |
|                     | 10          | 15084                         | 15040                | V33-2304H             | 15284              | 15240                |
|                     | 15          | 15085                         | 15041                | V33-2304J             | 15285              | 15241                |
|                     | 30          | 15086                         | 15042                |                       | 15286              | 15242                |

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 800                 | 10          | 15087                         | 15043                      |                             | 15287                    | 15243                      |
|                     | 15          | 15088                         | 15044                      |                             | 15288                    | 15244                      |
|                     | 30          | 15089                         | 15106                      |                             | 15289                    | 15306                      |
| 1000                | 2,5         |                               |                            | V33-2504D                   |                          |                            |
|                     | 5           |                               | 15045                      | V33-2504F                   |                          | 15245                      |
|                     | 10          | 15090                         | 15046                      | V33-2504H                   | 15290                    | 15246                      |
|                     | 15          | 15091                         | 15047                      | V33-2504J                   | 15291                    | 15247                      |
|                     | 30          | 15092                         | 15012                      |                             | 15292                    |                            |

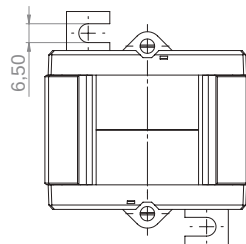
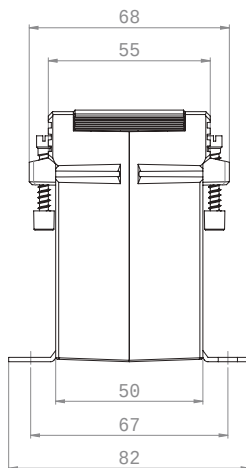
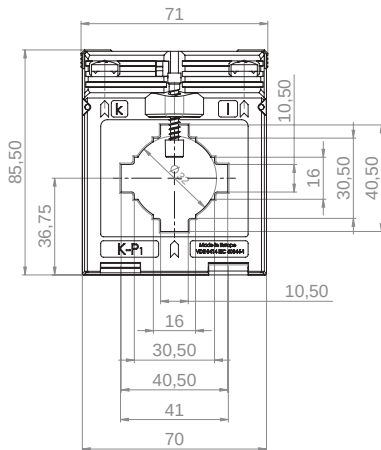
|                                                                                   |                               | Art.-no.     |
|-----------------------------------------------------------------------------------|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## ASK 41.5

### Plug-in current transformer



Bus bar 1            40 x 10 mm  
 Bus bar 2            2 x 30 x 5 mm  
 Round conductor    32 mm  
 Transformer width   71 mm  
 Height                85,5 mm  
 Depth                 68 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 60                  | 1,5         | 1010006002                    |                            | 1010206002               |                            |
| 75                  | 1,5         | 1010006004                    | 1010005001                 | 1010206004               | 1010205001                 |
|                     | 2,5         | 1010006005                    | 1010005002                 | 1010206005               | 1010205002                 |
| 80                  | 1,5         | 1010006006                    | 1010005003                 | 1010206006               | 1010205003                 |
|                     | 2,5         | 1010006007                    | 1010005004                 | 1010206007               | 1010205004                 |
| 100                 | 1,5         | 1010006008                    | 1010005005                 | 1010206008               | 1010205005                 |
|                     | 2,5         | 1010006009                    | 1010005006                 | 1010206009               | 1010205006                 |
|                     | 3,75        | 1010006046                    |                            | 1010206010               |                            |
| 150                 | 2,5         | 1010006010                    | 1010005007                 | 1010206011               | 1010205007                 |
|                     | 5           | 1010006011                    |                            | 1010206012               |                            |
|                     | 7,5         | 1010006012                    |                            | 1010206013               |                            |
| 200                 | 2,5         | 1010006013                    | 1010005010                 | 1010206014               | 1010205010                 |
|                     | 5           | 1010006014                    | 1010005011                 | 1010206015               | 1010205011                 |
|                     | 10          | 1010006048                    |                            | 1010206016               |                            |
| 250                 | 2,5         | 1010006015                    | 1010005012                 | 1010206017               | 1010205013                 |
|                     | 5           | 1010006016                    | 1010005013                 | 1010206018               | 1010205014                 |
|                     | 10          | 1010006017                    | 1010005014                 | 1010206019               | 1010205015                 |
| 300                 | 15          | 1010006047                    |                            | 1010206020               |                            |
|                     | 2,5         | 1010006018                    | 1010005015                 | 1010206021               | 1010205017                 |
|                     | 5           | 1010006019                    | 1010005016                 | 1010206022               | 1010205018                 |
| 400                 | 10          | 1010006020                    | 1010005017                 | 1010206023               | 1010205019                 |
|                     | 15          | 1010006021                    |                            | 1010206024               |                            |
| 500                 | 2,5         | 1010006022                    | 1010005019                 | 1010206025               | 1010205021                 |
|                     | 5           | 1010006023                    | 1010005020                 | 1010206026               | 1010205022                 |
|                     | 10          | 1010006024                    | 1010005021                 | 1010206027               | 1010205023                 |
| 600                 | 15          | 1010006025                    | 1010005022                 | 1010206028               | 1010205024                 |
|                     | 2,5         | 1010006026                    | 1010005023                 | 1010206029               | 1010205025                 |
|                     | 5           | 1010006027                    | 1010005024                 | 1010206030               | 1010205026                 |
| 750                 | 10          | 1010006028                    | 1010005025                 | 1010206031               | 1010205027                 |
|                     | 15          | 1010006029                    | 1010005026                 | 1010206032               | 1010205028                 |
| 800                 | 2,5         | 1010006030                    | 1010005027                 | 1010206033               | 1010205029                 |
|                     | 5           | 1010006031                    | 1010005028                 | 1010206034               | 1010205030                 |
|                     | 10          | 1010006032                    | 1010005029                 | 1010206035               | 1010205031                 |
| 1000                | 15          | 1010006033                    | 1010005030                 | 1010206036               | 1010205032                 |
|                     | 2,5         | 1010006034                    | 1010005031                 | 1010206037               | 1010205033                 |
|                     | 5           | 1010006035                    | 1010005032                 | 1010206038               | 1010205034                 |
| 1000                | 10          | 1010006036                    | 1010005033                 | 1010206039               | 1010205035                 |
|                     | 15          | 1010006037                    | 1010005034                 | 1010206040               | 1010205036                 |
| 1000                | 2,5         | 1010006038                    | 1010005035                 | 1010206041               | 1010205037                 |
|                     | 5           | 1010006039                    | 1010005036                 | 1010206042               | 1010205038                 |
|                     | 10          | 1010006040                    | 1010005037                 | 1010206043               | 1010205039                 |
| 1000                | 15          | 1010006041                    |                            | 1010206044               |                            |
|                     | 2,5         | 1010006042                    | 1010005039                 | 1010206045               | 1010205041                 |
|                     | 5           | 1010006043                    | 1010005040                 | 1010206046               | 1010205042                 |
| 1000                | 10          | 1010006044                    | 1010005041                 | 1010206047               | 1010205043                 |
|                     | 15          | 1010006045                    |                            | 1010206048               |                            |

|  | Art.-no.     |
|--|--------------|
|  | <b>55011</b> |
|  | <b>59041</b> |

**MBS AG**

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Germany

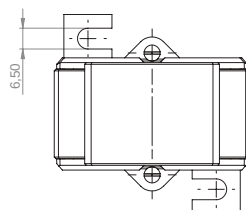
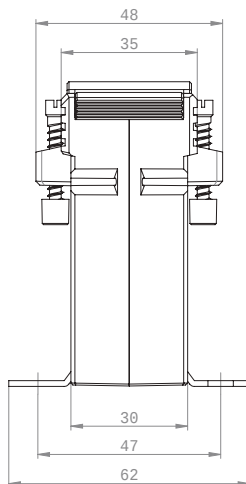
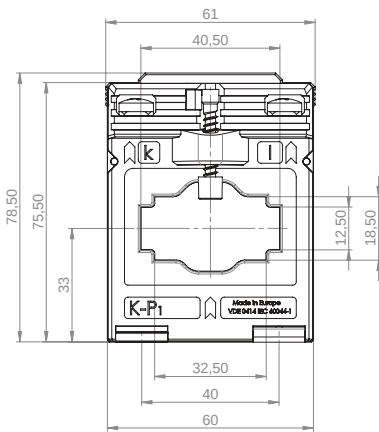
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## ASK 41.3

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 40 x 12 mm |
| Bus bar 2         | 32 x 18 mm |
| Round conductor   | 26 mm      |
| Transformer width | 61 mm      |
| Height            | 75,5 mm    |
| Depth             | 48 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 100                 | 1           | 11037                         | 11237                    |
|                     | 1,5         | 11038                         | 11238                    |
| 150                 | 1,5         | 11039                         | 11239                    |
|                     | 2,5         | 11040                         | 11240                    |
| 200                 | 1,5         | 11041                         | 11241                    |
|                     | 2,5         | 11042                         | 11242                    |
| 250                 | 1,5         | 11043                         | 11243                    |
|                     | 2,5         | 11044                         | 11244                    |
| 300                 | 1,5         | 11046                         | 11246                    |
|                     | 2,5         | 11047                         | 11247                    |
|                     | 5           | 11048                         | 11248                    |
| 400                 | 1,5         | 11049                         |                          |
|                     | 2,5         | 11050                         |                          |
|                     | 5           | 11051                         |                          |
| 500                 | 1,5         | 11052                         |                          |
|                     | 2,5         | 11053                         |                          |
|                     | 5           | 11054                         |                          |
| 600                 | 1,5         | 11056                         |                          |
|                     | 2,5         | 11057                         |                          |
|                     | 5           | 11058                         |                          |
| 750                 | 2,5         | 11060                         |                          |
|                     | 5           | 11061                         |                          |
|                     | 10          | 11062                         |                          |

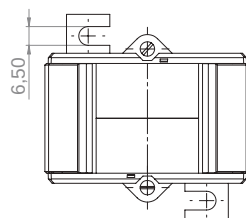
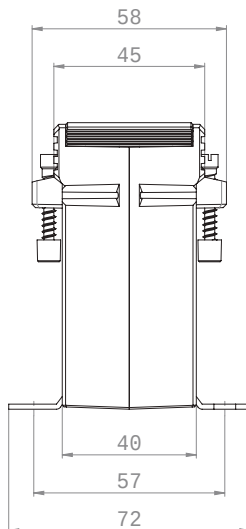
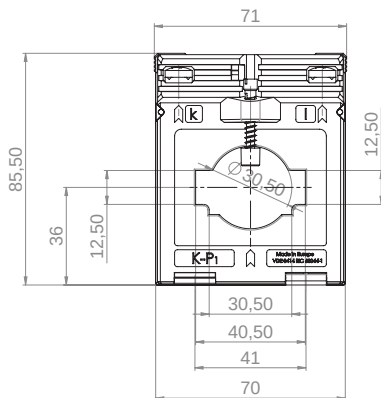
|                                                                                     | Art.-no.                                        |
|-------------------------------------------------------------------------------------|-------------------------------------------------|
|  | <b>Snap-on mounting, type A</b><br><b>53011</b> |
|  | <b>Sealed shutter, type A</b><br><b>59040</b>   |

## ASK 412.4

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 40 x 12 mm |
| Bus bar 2         | 30 x 15 mm |
| Round conductor   | 30,5 mm    |
| Transformer width | 71 mm      |
| Height            | 85,5 mm    |
| Depth             | 58 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1,25        | 28036                         |                            | 28236                    |                            |
|                     | 1,5         | 28037                         |                            | 28237                    |                            |
| 60                  | 1,25        | 28038                         |                            | 28238                    |                            |
|                     | 1,5         | 28039                         |                            | 28239                    |                            |
| 75                  | 1,5         | 28040                         |                            | 28240                    |                            |
|                     | 2,5         | 28041                         |                            | 28241                    |                            |
| 80                  | 1,5         | 28042                         |                            | 28242                    |                            |
|                     | 2,5         | 28043                         |                            | 28243                    |                            |
| 100                 | 1,5         | 28044                         | 28011                      | 28244                    | 28211                      |
|                     | 2,5         | 28045                         |                            | 28245                    |                            |
|                     | 3,75        | 28046                         |                            | 28246                    |                            |
| 150                 | 1,5         | 28047                         | 28012                      | 28247                    | 28212                      |
|                     | 2,5         | 28048                         | 28013                      | 28248                    | 28213                      |
|                     | 5           | 28049                         |                            | 28249                    |                            |
| 200                 | 2,5         | 28051                         | 28015                      | 28251                    | 28215                      |
|                     | 5           | 28052                         | 28098                      | 28252                    | 28298                      |
|                     | 7,5         | 28086                         |                            | 28286                    |                            |
|                     | 10          | 28053                         |                            |                          |                            |
| 250                 | 1,5         | 28054                         | 28016                      | 28254                    | 28216                      |
|                     | 2,5         | 28055                         | 28017                      | 28255                    | 28217                      |
|                     | 5           | 28056                         | 28014                      | 28256                    | 28214                      |
|                     | 10          | 28057                         |                            | 28257                    |                            |
| 300                 | 2,5         | 28058                         | 28018                      | 28258                    | 28218                      |
|                     | 5           | 28059                         | 28019                      | 28259                    | 28219                      |
|                     | 10          | 28060                         |                            | 28260                    |                            |
|                     | 15          | 28061                         |                            | 28261                    |                            |
| 400                 | 2,5         | 28062                         | 28020                      | 28262                    | 28220                      |
|                     | 5           | 28063                         | 28021                      | 28263                    | 28221                      |
|                     | 10          | 28064                         | 28009                      | 28264                    | 28209                      |
|                     | 15          | 28065                         |                            | 28265                    |                            |
| 500                 | 2,5         | 28066                         | 28022                      | 28266                    | 28222                      |
|                     | 5           | 28067                         | 28023                      | 28267                    | 28223                      |
|                     | 10          | 28068                         | 28024                      | 28268                    | 28224                      |
|                     | 15          | 28069                         |                            | 28269                    |                            |
| 600                 | 2,5         | 28070                         | 28025                      | 28270                    | 28225                      |
|                     | 5           | 28071                         | 28026                      | 28271                    | 28226                      |
|                     | 10          | 28072                         | 28027                      | 28272                    | 28227                      |
|                     | 15          | 28073                         |                            | 28273                    |                            |
| 750                 | 5           | 28074                         | 28028                      | 28274                    | 28228                      |
|                     | 10          | 28075                         | 28029                      | 28275                    | 28229                      |
|                     | 15          | 28076                         | 28010                      | 28276                    | 28210                      |
| 800                 | 5           | 28078                         | 28030                      | 28278                    | 28230                      |
|                     | 10          | 28079                         | 28031                      | 28279                    | 28231                      |
|                     | 15          | 28080                         | 28035                      | 28280                    | 28235                      |

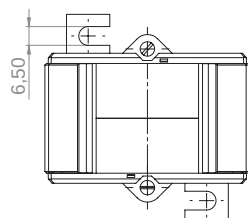
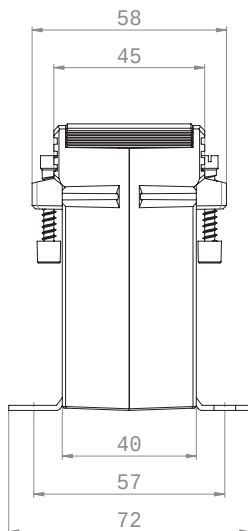
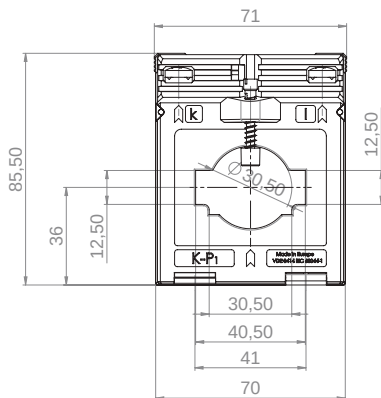
|  |                          | Art.-no. |
|--|--------------------------|----------|
|  | Snap-on mounting, type D | 55012    |
|  | Sealed shutter, type B   | 59041    |

## ASK 412.4 2U

Plug-in current transformer, secondary reconnectable



|                   |            |
|-------------------|------------|
| Bus bar 1         | 40 x 12 mm |
| Bus bar 2         | 30 x 15 mm |
| Round conductor   | 30,5 mm    |
| Transformer width | 71 mm      |
| Height            | 85,5 mm    |
| Depth             | 58 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 200-100             | 5-2,5       | 28133                         | 28333                    |
| 300-150             | 5-2,5       | 28134                         | 28334                    |
|                     | 10-5        | 28135                         | 28335                    |
| 400-200             | 5-2,5       | 28136                         | 28336                    |
|                     | 10-5        | 28137                         | 28337                    |
| 500-250             | 5-2,5       | 28138                         | 28338                    |
|                     | 10-5        | 28139                         | 28339                    |
| 600-300             | 5-2,5       | 28140                         | 28340                    |
|                     | 10-5        | 28141                         | 28341                    |
| 800-400             | 5-2,5       | 28143                         | 28343                    |
|                     | 10-5        | 28144                         | 28344                    |
|                     | 15-7,5      | 28145                         | 28345                    |

## ASK 412.4 3U

Plug-in current transformer, secondary reconnectable

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 400-200-100         | 10-5-2,5    | 28163                         | 28363                    |
| 600-300-150         | 10-5-2,5    | 28164                         | 28364                    |
| 800-400-200         | 10-5-2,5    | 28165                         | 28365                    |

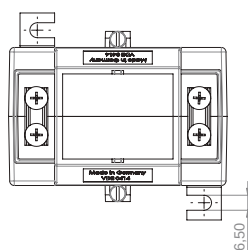
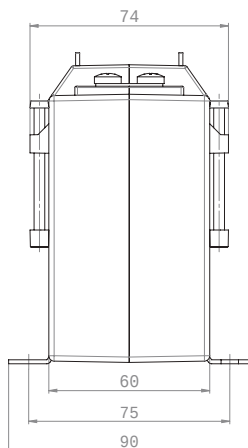
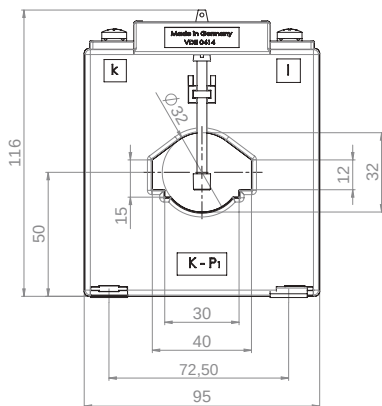
|  |                          | Art.-no. |
|--|--------------------------|----------|
|  | Snap-on mounting, type D | 55012    |
|  | Sealed shutter, type B   | 59041    |

## ASK 41.6

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 40 x 12 mm |
| Bus bar 2         | 30 x 15 mm |
| Round conductor   | 32 mm      |
| Transformer width | 95 mm      |
| Height            | 116 mm     |
| Depth             | 74 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1,5         | 14060                         | 14011                      | 14260                    | 14211                      |
| 60                  | 1,5         | 14062                         | 14012                      | 14262                    | 14212                      |
|                     | 2,5         | 14063                         |                            | 14263                    |                            |
| 75                  | 1,5         | 14064                         |                            | 14264                    |                            |
|                     | 2,5         | 14065                         | 14013                      | 14265                    | 14213                      |
|                     | 3,75        | 14134                         |                            | 14334                    |                            |
| 80                  | 2,5         | 14067                         | 14015                      | 14267                    | 14215                      |
|                     | 3,75        | 14135                         |                            | 14335                    |                            |
| 100                 | 2,5         | 14069                         | 14017                      | 14269                    | 14217                      |
|                     | 5           | 14070                         | 14018                      | 14270                    | 14218                      |
|                     | 7,5         | 14136                         |                            | 14336                    |                            |
| 150                 | 5           | 14072                         | 14021                      | 14272                    | 14221                      |
|                     | 10          | 14073                         |                            | 14273                    |                            |
|                     | 15          | 14074                         |                            | 14274                    |                            |
| 200                 | 5           | 14075                         | 14025                      | 14275                    | 14225                      |
|                     | 10          | 14076                         | 14026                      | 14276                    | 14226                      |
|                     | 15          | 14077                         |                            | 14277                    |                            |
| 250                 | 5           | 14078                         | 14029                      | 14278                    | 14229                      |
|                     | 10          | 14079                         | 14030                      | 14279                    | 14230                      |
|                     | 15          | 14080                         | 14031                      | 14280                    | 14231                      |
| 300                 | 5           | 14081                         | 14033                      | 14281                    | 14233                      |
|                     | 10          | 14082                         | 14034                      | 14282                    | 14234                      |
|                     | 15          | 14083                         | 14035                      | 14283                    | 14235                      |
| 400                 | 5           | 14084                         | 14037                      | 14284                    | 14237                      |
|                     | 10          | 14085                         | 14038                      | 14285                    | 14238                      |
|                     | 15          | 14086                         | 14039                      | 14286                    | 14239                      |
| 500                 | 5           | 14087                         | 14041                      | 14287                    | 14241                      |
|                     | 10          | 14088                         | 14042                      | 14288                    | 14242                      |
|                     | 15          | 14089                         | 14043                      | 14289                    | 14243                      |
|                     | 30          | 14137                         |                            | 14337                    |                            |
| 600                 | 10          | 14090                         | 14045                      | 14290                    | 14245                      |
|                     | 15          | 14091                         | 14046                      | 14291                    | 14246                      |
|                     | 30          | 14092                         | 14047                      | 14292                    | 14247                      |
| 750                 | 10          | 14094                         | 14049                      | 14294                    | 14249                      |
|                     | 15          | 14095                         | 14050                      | 14295                    | 14250                      |
|                     | 30          | 14096                         | 14051                      | 14296                    | 14251                      |
| 800                 | 10          | 14098                         | 14053                      | 14298                    | 14253                      |
|                     | 15          | 14099                         | 14054                      | 14299                    | 14254                      |
|                     | 30          | 14100                         | 14055                      | 14300                    | 14255                      |
| 1000                | 10          | 14102                         | 14057                      | 14302                    | 14257                      |
|                     | 15          | 14103                         | 14058                      | 14303                    | 14258                      |
|                     | 30          | 14104                         | 14059                      | 14304                    | 14259                      |

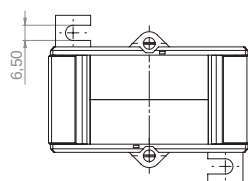
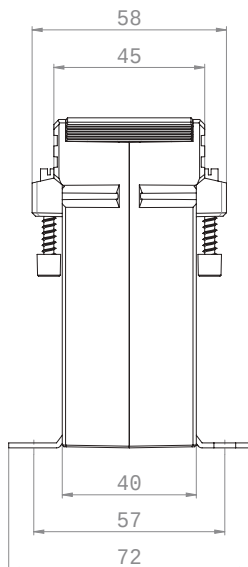
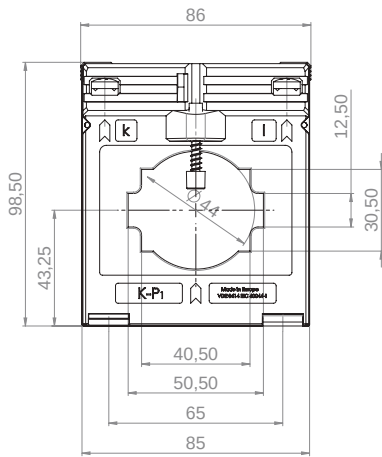
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type E</b> | <b>59044</b> |

## ASK 51.4

### Plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 50 x 12 mm     |
| Bus bar 2         | 2 x 40 x 10 mm |
| Round conductor   | 44 mm          |
| Transformer width | 86 mm          |
| Height            | 98,5 mm        |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                      |                       |                    |                      |
|---------------------|-------------|-------------------------------|----------------------|-----------------------|--------------------|----------------------|
|                     |             | 5 A Cl. 1 Art.-no.            | 5 A Cl. 0,5 Art.-no. | 5 A Cl. 0,2s Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 100                 | 1,5         | 16043                         |                      |                       | 16243              |                      |
| 150                 | 1,5         | 16044                         | 16011                |                       | 16244              | 16211                |
|                     | 2,5         | 16045                         | 16010                |                       | 16245              | 16210                |
| 200                 | 1,5         |                               | 16012                | V34-1704C             |                    | 16212                |
|                     | 2,5         | 16046                         | 16013                | V34-1704D             | 16246              | 16213                |
|                     | 5           | 16047                         | 16152                | V34-1704F             | 16247              | 16352                |
| 250                 | 1,5         |                               | 16014                |                       |                    | 16214                |
|                     | 2,5         | 16048                         | 16015                | V34-1804D             | 16248              | 16215                |
|                     | 5           | 16049                         | 16153                | V34-1804F             | 16249              | 16353                |
|                     | 10          | 16177                         |                      |                       | 16390              |                      |
| 300                 | 2,5         | 16050                         | 16017                | V34-1904D             | 16250              | 16217                |
|                     | 5           | 16051                         | 16018                | V34-1904F             | 16251              | 16218                |
|                     | 10          | 16052                         |                      |                       | 16252              |                      |
| 400                 | 2,5         | 16053                         | 16019                | V34-2004D             | 16253              | 16219                |
|                     | 5           | 16054                         | 16020                | V34-2004F             | 16254              | 16220                |
|                     | 10          | 16055                         | 16021                | V34-2004H             | 16255              | 16221                |
|                     | 15          |                               |                      |                       | 16256              |                      |
| 500                 | 2,5         | 16057                         | 16022                | V34-2104D             | 16257              | 16222                |
|                     | 5           | 16058                         | 16023                | V34-2104F             | 16258              | 16223                |
|                     | 10          | 16059                         | 16024                | V34-2104H             | 16259              | 16224                |
|                     | 15          | 16060                         | 16202                |                       | 16260              |                      |
| 600                 | 2,5         | 16061                         | 16025                | V34-2204D             | 16261              | 16225                |
|                     | 5           | 16062                         | 16026                | V34-2204F             | 16262              | 16226                |
|                     | 10          | 16063                         | 16027                | V34-2204H             | 16263              | 16227                |
|                     | 15          | 16064                         | 16154                |                       | 16264              | 16354                |
| 750                 | 2,5         | 16065                         | 16028                | V34-2304D             | 16265              | 16228                |
|                     | 5           | 16066                         | 16029                | V34-2304F             | 16266              | 16229                |
|                     | 10          | 16067                         | 16030                | V34-2304H             | 16267              | 16230                |
|                     | 15          | 16068                         | 16203                |                       | 16268              | 16355                |
| 800                 | 5           | 16069                         | 16031                | V34-2404F             | 16269              | 16231                |
|                     | 10          | 16070                         | 16032                | V34-2404H             | 16270              | 16232                |
|                     | 15          | 16071                         | 16033                |                       | 16271              | 16233                |
| 1000                | 2,5         |                               |                      | V34-2504D             |                    |                      |
|                     | 5           | 16073                         | 16034                | V34-2504F             | 16273              | 16234                |
|                     | 10          | 16074                         | 16035                | V34-2504H             | 16274              | 16235                |
|                     | 15          | 16075                         | 16036                | V34-2504J             | 16275              | 16236                |
| 1200                | 5           | 16077                         | 16037                |                       | 16277              | 16237                |
|                     | 10          | 16078                         | 16038                |                       | 16278              | 16238                |
|                     | 15          | 16079                         | 16039                |                       | 16279              | 16239                |
|                     | 30          | 16080                         |                      |                       | 16280              |                      |
| 1250                | 5           | 16081                         | 16040                |                       | 16281              | 16240                |
|                     | 10          | 16082                         | 16041                |                       | 16282              | 16241                |
|                     | 15          | 16083                         | 16042                |                       | 16283              | 16242                |
|                     | 30          | 16084                         |                      |                       | 16284              |                      |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | -            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

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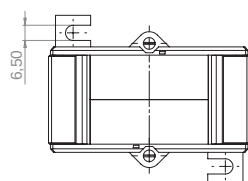
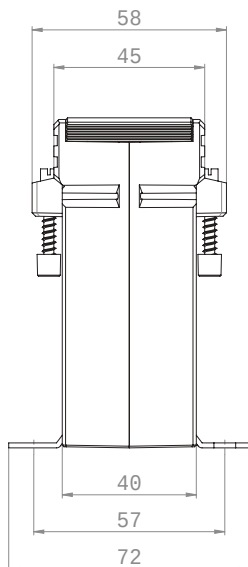
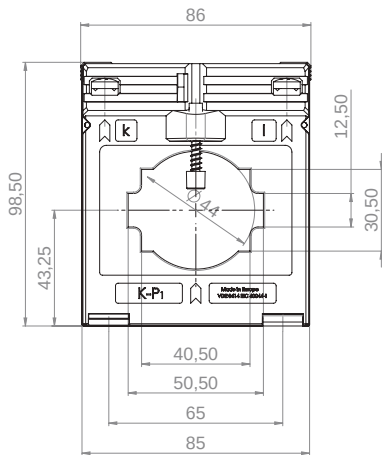


## ASK 51.4 2U

Plug-in current transformer, secondary reconnectable



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 50 x 12 mm     |
| Bus bar 2         | 2 x 40 x 10 mm |
| Round conductor   | 44 mm          |
| Transformer width | 86 mm          |
| Height            | 98,5 mm        |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 400-200             | 5-2,5       | 16130                         | 16330                    |
|                     | 10-5        | 16131                         | 16331                    |
| 500-250             | 5-2,5       | 16132                         | 16332                    |
|                     | 10-5        | 16133                         | 16333                    |
| 600-300             | 5-2,5       | 16134                         | 16334                    |
|                     | 10-5        | 16135                         | 16335                    |
| 800-400             | 5-2,5       | 16136                         | 16336                    |
|                     | 10-5        | 16137                         | 16337                    |
|                     | 15-7,5      | 16138                         | 16338                    |
| 1000-500            | 5-2,5       | 16139                         | 16339                    |
|                     | 10-5        | 16140                         | 16340                    |
|                     | 15-7,5      | 16141                         | 16341                    |
| 1200-600            | 5-2,5       | 16142                         | 16342                    |
|                     | 10-5        | 16143                         | 16343                    |
|                     | 15-7,5      | 16144                         | 16344                    |
|                     | 30-15       | 16145                         | 16345                    |

## ASK 51.4 3U

Plug-in current transformer, secondary reconnectable

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 600-400-200         | 15-7,5-5    | 16178                         | 16378                    |
| 800-400-200         | 10-5-2,5    | 16162                         | 16362                    |
| 1000-500-250        | 10-5-2,5    | 16163                         | 16363                    |
|                     | 15-7,5-2,5  | 16164                         | 16364                    |
| 1000-600-300        | 10-5-2,5    | 16180                         | 16380                    |
|                     | 15-10-5     | 16176                         | 16376                    |
| 1000-600-400        | 10-5-2,5    | 16175                         | 16375                    |
| 1000-800-600        | 15-10-5     | 16179                         | 16379                    |
| 1200-600-300        | 10-5-2,5    | 16165                         | 16365                    |
|                     | 15-7,5-2,5  | 16166                         | 16366                    |
| 1200-1000-300       | 7,5-5-2,5   | 16174                         | 16374                    |

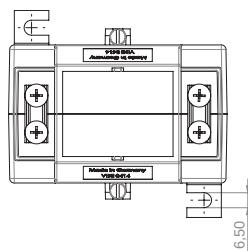
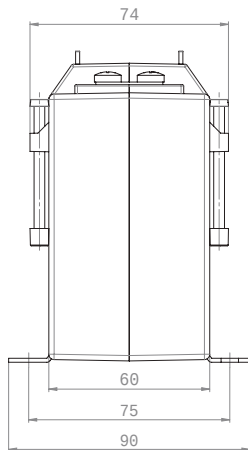
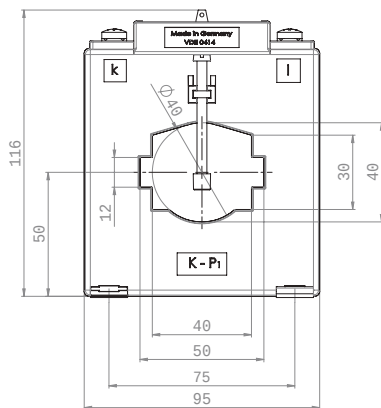
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## ASK 51.6

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 50 x 12 mm |
| Bus bar 2         | 40 x 30 mm |
| Round conductor   | 40 mm      |
| Transformer width | 95 mm      |
| Height            | 116 mm     |
| Depth             | 74 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 100                 | 2,5         | 17058                         |                            | 17258                    |                            |
|                     | 5           | 17059                         |                            | 17259                    |                            |
| 150                 | 2,5         | 17060                         | 17013                      | 17260                    | 17213                      |
|                     | 5           | 17061                         | 17014                      | 17261                    | 17214                      |
|                     | 10          | 17062                         |                            | 17262                    |                            |
| 200                 | 2,5         | 17063                         | 17016                      | 17263                    | 17216                      |
|                     | 5           | 17064                         | 17017                      | 17264                    | 17217                      |
|                     | 10          | 17065                         | 17018                      | 17265                    | 17218                      |
| 250                 | 2,5         | 17066                         | 17019                      | 17266                    | 17219                      |
|                     | 5           | 17067                         | 17020                      | 17267                    | 17220                      |
|                     | 10          | 17068                         | 17021                      | 17268                    | 17221                      |
|                     | 15          | 17069                         | 17022                      | 17269                    | 17222                      |
| 300                 | 5           | 17070                         | 17024                      | 17270                    | 17224                      |
|                     | 10          | 17071                         | 17025                      | 17271                    | 17225                      |
|                     | 15          | 17072                         | 17026                      | 17272                    | 17226                      |
|                     | 30          | 17073                         |                            | 17273                    |                            |
| 400                 | 5           | 17074                         | 17028                      | 17274                    | 17228                      |
|                     | 10          | 17075                         | 17029                      | 17275                    | 17229                      |
|                     | 15          | 17076                         | 17030                      | 17276                    | 17230                      |
|                     | 30          | 17077                         |                            | 17277                    |                            |
| 500                 | 5           | 17078                         | 17032                      | 17278                    | 17232                      |
|                     | 10          | 17079                         | 17033                      | 17279                    | 17233                      |
|                     | 15          | 17080                         | 17034                      | 17280                    | 17234                      |
|                     | 30          | 17081                         |                            | 17281                    |                            |
| 600                 | 5           | 17082                         | 17036                      | 17282                    | 17236                      |
|                     | 10          | 17083                         | 17037                      | 17283                    | 17237                      |
|                     | 15          | 17084                         | 17038                      | 17284                    | 17238                      |
|                     | 30          | 17085                         |                            | 17285                    |                            |
| 750                 | 5           | 17086                         | 17040                      | 17286                    | 17240                      |
|                     | 10          | 17087                         | 17041                      | 17287                    | 17241                      |
|                     | 15          | 17088                         | 17042                      | 17288                    | 17242                      |
|                     | 30          | 17089                         |                            | 17289                    |                            |
| 800                 | 10          | 17090                         | 17044                      | 17290                    | 17244                      |
|                     | 15          | 17091                         | 17045                      | 17291                    | 17245                      |
|                     | 30          | 17092                         |                            | 17292                    |                            |
|                     | 45          | 17093                         |                            | 17293                    |                            |
| 1000                | 10          | 17094                         | 17047                      | 17294                    | 17247                      |
|                     | 15          | 17095                         | 17048                      | 17295                    | 17248                      |
|                     | 30          | 17096                         | 17049                      | 17296                    | 17249                      |
|                     | 45          | 17097                         |                            | 17297                    |                            |
| 1200                | 10          | 17098                         | 17051                      | 17298                    | 17251                      |
|                     | 15          | 17099                         | 17052                      | 17299                    | 17252                      |
|                     | 30          | 17100                         | 17053                      | 17300                    | 17253                      |
|                     | 45          | 17101                         |                            | 17301                    |                            |
| 1250                | 10          | 17102                         | 17055                      | 17302                    | 17255                      |
|                     | 15          | 17103                         | 17056                      | 17303                    | 17256                      |
|                     | 30          | 17104                         | 17057                      | 17304                    | 17257                      |
|                     | 45          | 17105                         |                            | 17305                    |                            |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type E | 59044    |

### MBS AG

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Germany

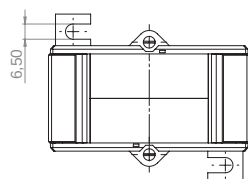
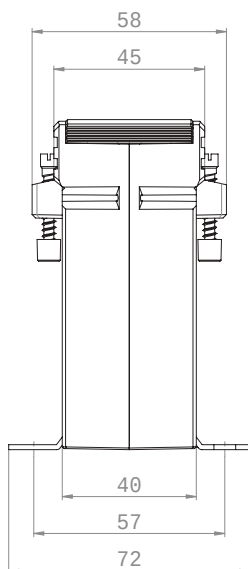
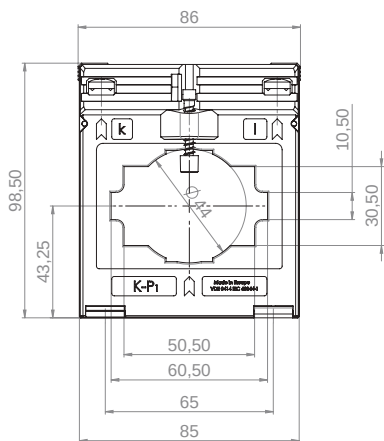
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## ASK 561.4

### Plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 60 x 10 mm     |
| Bus bar 2         | 30 x 40 mm     |
| Bus bar 3         | 2 x 50 x 10 mm |
| Round conductor   | 44 mm          |
| Transformer width | 86 mm          |
| Height            | 98,5 mm        |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 200                 | 2,5         | 18036                         |                            | 18236                    |                            |
| 250                 | 2,5         | 18037                         |                            | 18237                    |                            |
|                     | 5           | 18038                         |                            | 18238                    |                            |
| 300                 | 2,5         | 18039                         | 18012                      | 18239                    | 18212                      |
|                     | 5           | 18040                         |                            | 18240                    |                            |
| 400                 | 2,5         | 18042                         | 18014                      | 18242                    | 18214                      |
|                     | 5           | 18043                         | 18015                      | 18243                    | 18215                      |
|                     | 10          | 18044                         |                            | 18244                    |                            |
| 500                 | 2,5         |                               | 18016                      |                          | 18216                      |
|                     | 5           | 18045                         | 18017                      | 18245                    | 18217                      |
|                     | 10          | 18046                         |                            | 18246                    |                            |
|                     | 15          | 18047                         |                            | 18247                    |                            |
| 600                 | 2,5         |                               | 18018                      |                          | 18218                      |
|                     | 5           | 18048                         | 18019                      | 18248                    | 18219                      |
|                     | 10          | 18049                         | 18020                      | 18249                    | 18220                      |
|                     | 15          | 18050                         |                            | 18250                    |                            |
| 750                 | 2,5         |                               | 18021                      |                          | 18221                      |
|                     | 5           | 18051                         | 18022                      | 18251                    | 18222                      |
|                     | 10          | 18052                         | 18023                      | 18252                    | 18223                      |
|                     | 15          | 18053                         |                            | 18253                    |                            |
| 800                 | 5           | 18097                         | 18024                      | 18297                    | 18224                      |
|                     | 10          | 18054                         | 18025                      | 18254                    | 18225                      |
|                     | 15          | 18055                         | 18026                      | 18255                    | 18226                      |
| 1000                | 5           | 18104                         | 18027                      | 18304                    | 18227                      |
|                     | 10          | 18057                         | 18028                      | 18257                    | 18228                      |
|                     | 15          | 18058                         | 18029                      | 18258                    | 18229                      |
|                     | 30          | 18059                         |                            | 18259                    |                            |
| 1200                | 5           | 18100                         | 18030                      | 18267                    | 18230                      |
|                     | 10          | 18060                         | 18031                      | 18260                    | 18231                      |
|                     | 15          | 18061                         | 18032                      | 18261                    | 18232                      |
|                     | 30          | 18062                         |                            | 18262                    |                            |
| 1250                | 5           | 18102                         | 18033                      | 18302                    | 18233                      |
|                     | 10          | 18063                         | 18034                      | 18263                    | 18234                      |
|                     | 15          | 18064                         | 18035                      | 18264                    | 18235                      |

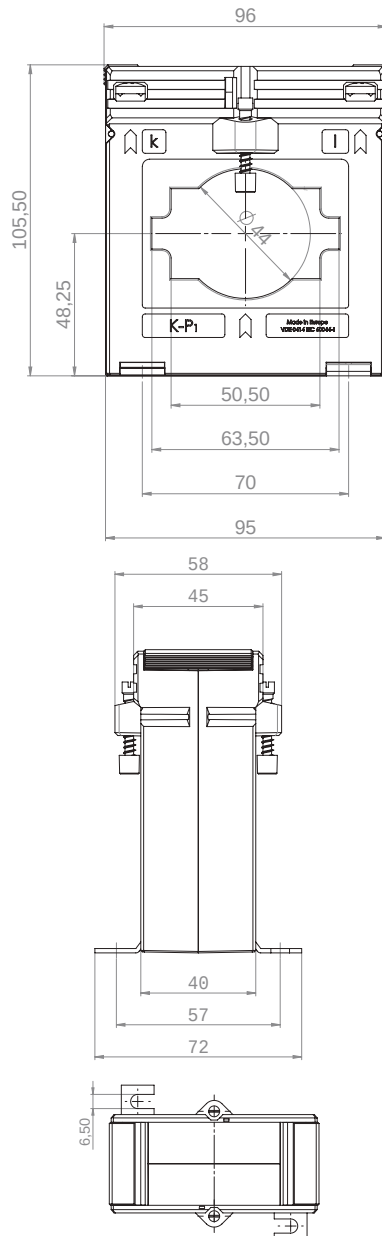
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## ASK 61.4

### Plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 63 x 10 mm     |
| Bus bar 2         | 2 x 50 x 10 mm |
| Round conductor   | 44 mm          |
| Transformer width | 96 mm          |
| Height            | 105,5 mm       |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 200                 | 1,5         | 19047                         | 19009                      |                             | 19247                    | 19209                      |
|                     | 2,5         | 19048                         | 19010                      |                             | 19248                    | 19210                      |
| 250                 | 1,5         | 19049                         | 19011                      | V41-1804C                   | 19249                    | 19211                      |
|                     | 2,5         | 19050                         | 19012                      | V41-1804D                   | 19250                    | 19212                      |
|                     | 5           | 19111                         |                            |                             | 19175                    |                            |
| 300                 | 1,5         | 19051                         | 19013                      |                             | 19251                    | 19213                      |
|                     | 2,5         | 19052                         | 19014                      | V41-1904D                   | 19252                    | 19214                      |
|                     | 5           | 19053                         | 19015                      | V41-1904F                   | 19253                    | 19215                      |
| 400                 | 1,5         | 19054                         | 19016                      |                             | 19254                    | 19216                      |
|                     | 2,5         | 19055                         | 19017                      | V41-2004D                   | 19255                    | 19217                      |
|                     | 5           | 19056                         | 19018                      | V41-2004F                   | 19256                    | 19218                      |
|                     | 10          | 19057                         | 19094                      | V41-2004H                   | 19257                    | 19294                      |
| 500                 | 1,5         |                               | 19019                      |                             |                          | 19219                      |
|                     | 2,5         | 19058                         | 19020                      | V41-2104D                   | 19258                    | 19220                      |
|                     | 5           | 19059                         | 19021                      | V41-2104F                   | 19259                    | 19221                      |
|                     | 10          | 19060                         | 19095                      | V41-2104H                   | 19260                    | 19295                      |
|                     | 15          | 19061                         |                            |                             | 19261                    |                            |
| 600                 | 2,5         | 19062                         | 19022                      | V41-2204D                   | 19262                    | 19222                      |
|                     | 5           | 19063                         | 19023                      | V41-2204F                   | 19263                    | 19223                      |
|                     | 10          | 19064                         | 19024                      | V41-2204H                   | 19264                    | 19224                      |
|                     | 15          | 19065                         | 19097                      | V41-2204J                   | 19265                    | 19297                      |
| 750                 | 2,5         | 19066                         | 19025                      | V41-2304D                   | 19266                    | 19225                      |
|                     | 5           | 19067                         | 19026                      | V41-2304F                   | 19267                    | 19226                      |
|                     | 10          | 19068                         | 19027                      | V41-2304H                   | 19268                    | 19227                      |
|                     | 15          | 19069                         | 19098                      | V41-2304J                   | 19269                    | 19298                      |
| 800                 | 2,5         | 19070                         | 19028                      |                             | 19270                    | 19228                      |
|                     | 5           | 19071                         | 19029                      |                             | 19271                    | 19229                      |
|                     | 10          | 19072                         | 19030                      |                             | 19272                    | 19230                      |
|                     | 15          | 19073                         | 19031                      |                             | 19273                    | 19231                      |
| 1000                | 2,5         |                               |                            | V41-2504D                   |                          |                            |
|                     | 5           | 19074                         | 19032                      | V41-2504F                   | 19274                    | 19232                      |
|                     | 10          | 19075                         | 19033                      | V41-2504H                   | 19275                    | 19233                      |
|                     | 15          | 19076                         | 19034                      | V41-2504J                   | 19276                    | 19234                      |
| 1200                | 2,5         |                               |                            | V41-2604D                   |                          |                            |
|                     | 5           | 19078                         | 19035                      | V41-2604F                   | 19278                    | 19235                      |
|                     | 10          | 19079                         | 19036                      | V41-2604H                   | 19279                    | 19236                      |
|                     | 15          | 19080                         | 19037                      | V41-2604J                   | 19280                    | 19237                      |
|                     | 30          | 19081                         | 19100                      |                             | 19281                    | 19300                      |

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|                     |             | Secondary current [A] / Class |                      |                       |                    |                      |
|---------------------|-------------|-------------------------------|----------------------|-----------------------|--------------------|----------------------|
| Primary current [A] | Burden [VA] | 5 A Cl. 1 Art.-no.            | 5 A Cl. 0,5 Art.-no. | 5 A Cl. 0,2s Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 1250                | 5           | 19082                         | 19038                | V41-2704F             | 19282              | 19238                |
|                     | 10          | 19083                         | 19039                | V41-2704H             | 19283              | 19239                |
|                     | 15          | 19084                         | 19040                | V41-2704J             | 19284              | 19240                |
|                     | 30          | 19085                         | 19101                |                       | 19285              | 19301                |
| 1500                | 5           | 19086                         | 19041                | V41-2804F             | 19286              | 19241                |
|                     | 10          | 19087                         | 19042                | V41-2804H             | 19287              | 19242                |
|                     | 15          | 19088                         | 19043                | V41-2804J             | 19288              | 19243                |
|                     | 30          | 19089                         | 19102                |                       | 19289              | 19302                |
| 1600                | 5           | 19090                         | 19044                |                       | 19290              | 19244                |
|                     | 10          | 19091                         | 19045                |                       | 19291              | 19245                |
|                     | 15          | 19092                         | 19046                |                       | 19292              | 19246                |
|                     | 30          | 19093                         | 19103                |                       | 19293              | 19303                |

|                                                                                   |                               | Art.-no.     |
|-----------------------------------------------------------------------------------|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

• Please note: Current transformers in cl. 0.2S are only deliverable for bus bar 60x10 mm

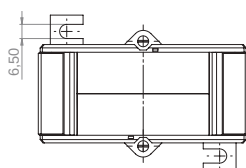
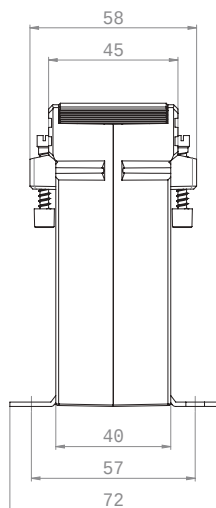
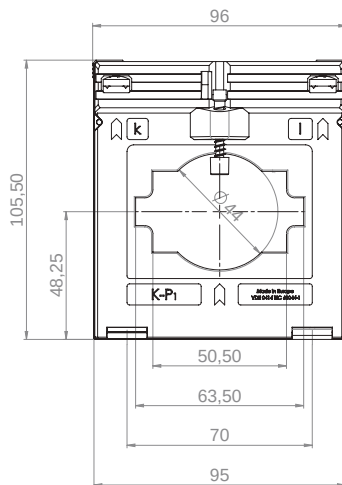
## ASK 61.4 2U

Plug-in current transformer, secondary reconnectable



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 63 x 10 mm     |
| Bus bar 2         | 2 x 50 x 10 mm |
| Round conductor   | 44 mm          |
| Transformer width | 96 mm          |
| Height            | 105,5 mm       |
| Depth             | 58 mm          |

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 500-250             | 5-2,5       | 19141                         | 19341                    |
| 600-300             | 5-2,5       | 19142                         | 19342                    |
|                     | 10-5        | 19143                         | 19343                    |
| 800-400             | 5-2,5       | 19144                         | 19344                    |
|                     | 10-5        | 19145                         | 19345                    |
|                     | 15-7,5      | 19146                         | 19346                    |
| 1000-500            | 5-2,5       | 19147                         | 19347                    |
|                     | 10-5        | 19148                         | 19348                    |
|                     | 15-7,5      | 19149                         | 19349                    |
| 1200-600            | 5-2,5       | 19150                         | 19350                    |
|                     | 10-5        | 19151                         | 19351                    |
|                     | 15-7,5      | 19152                         | 19352                    |



## ASK 61.4 3U

Plug-in current transformer, secondary reconnectable

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 800-400-200         | 10-5-2,5    | 19182                         | 19382                    |
| 1000-500-250        | 10-5-2,5    | 19183                         | 19383                    |
|                     | 15-7,5-2,5  | 19184                         | 19384                    |
| 1000-600-300        | 10-5-2,5    | 19185                         | 19385                    |
|                     | 15-7,5-2,5  | 19186                         | 19386                    |
| 1000-600-400        | 10-5-2,5    | 19199                         | 19399                    |
| 1200-600-300        | 10-5-2,5    | 19187                         | 19387                    |
|                     | 15-7,5-2,5  | 19188                         | 19388                    |

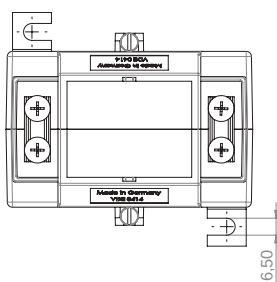
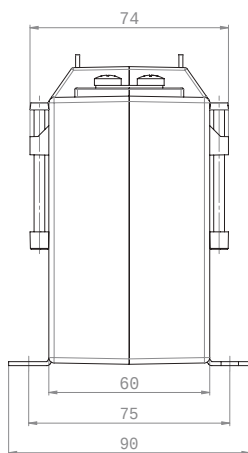
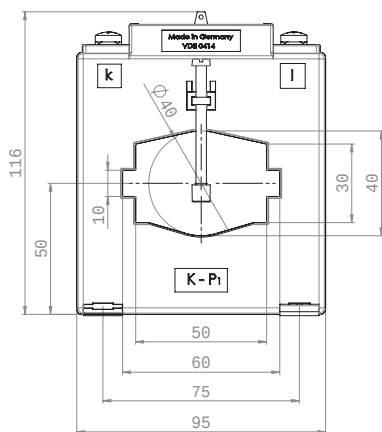
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | —            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## ASK 61.6

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 60 x 10 mm |
| Bus bar 2         | 50 x 30 mm |
| Round conductor   | 40 mm      |
| Transformer width | 95 mm      |
| Height            | 116 mm     |
| Depth             | 74 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 100                 | 1,5         | 20063                         | 20011                      | 20263                    | 20211                      |
| 150                 | 1,5         | 20065                         | 20012                      | 20265                    | 20212                      |
|                     | 2,5         | 20066                         | 20013                      | 20266                    | 20213                      |
| 200                 | 2,5         | 20067                         | 20014                      | 20267                    | 20214                      |
|                     | 5           | 20068                         | 20015                      | 20268                    | 20215                      |
|                     | 10          | 20069                         |                            | 20269                    |                            |
| 250                 | 2,5         | 20116                         | 20016                      | 20321                    | 20216                      |
|                     | 5           | 20070                         | 20017                      | 20270                    | 20217                      |
|                     | 10          | 20071                         |                            | 20271                    |                            |
|                     | 15          | 20072                         |                            | 20272                    |                            |
| 300                 | 2,5         | 20117                         | 20019                      | 20322                    | 20219                      |
|                     | 5           | 20073                         | 20020                      | 20273                    | 20220                      |
|                     | 10          | 20074                         | 20021                      | 20274                    | 20221                      |
|                     | 15          | 20075                         |                            | 20275                    |                            |
| 400                 | 2,5         | 20118                         | 20023                      | 20323                    | 20223                      |
|                     | 5           | 20076                         | 20024                      | 20276                    | 20224                      |
|                     | 10          | 20077                         | 20025                      | 20277                    | 20225                      |
|                     | 15          | 20078                         | 20026                      | 20278                    | 20226                      |
|                     | 30          | 20079                         |                            | 20279                    |                            |
| 500                 | 2,5         | 20119                         | 20027                      | 20324                    | 20227                      |
|                     | 5           | 20080                         | 20028                      | 20280                    | 20228                      |
|                     | 10          | 20081                         | 20029                      | 20281                    | 20229                      |
|                     | 15          | 20082                         | 20030                      | 20282                    | 20230                      |
|                     | 30          | 20083                         |                            | 20283                    |                            |
| 600                 | 2,5         | 20120                         | 20031                      | 20325                    | 20231                      |
|                     | 5           | 20084                         | 20032                      | 20284                    | 20232                      |
|                     | 10          | 20085                         | 20033                      | 20285                    | 20233                      |
|                     | 15          | 20086                         | 20034                      | 20286                    | 20234                      |
|                     | 30          | 20087                         |                            | 20287                    |                            |
| 750                 | 2,5         | 20121                         | 20035                      | 20326                    | 20235                      |
|                     | 5           | 20088                         | 20036                      | 20288                    | 20236                      |
|                     | 10          | 20089                         | 20037                      | 20289                    | 20237                      |
|                     | 15          | 20090                         | 20038                      | 20290                    | 20238                      |
|                     | 30          | 20091                         |                            | 20291                    |                            |
| 800                 | 5           | 20092                         | 20040                      | 20292                    | 20240                      |
|                     | 10          | 20093                         | 20041                      | 20293                    | 20241                      |
|                     | 15          | 20094                         | 20042                      | 20294                    | 20242                      |
|                     | 30          | 20095                         |                            | 20295                    |                            |
| 1000                | 5           | 20122                         | 20043                      | 20327                    | 20243                      |
|                     | 10          | 20096                         | 20044                      | 20296                    | 20244                      |
|                     | 15          | 20097                         | 20045                      | 20297                    | 20245                      |
|                     | 30          | 20098                         | 20046                      | 20298                    | 20246                      |
|                     | 45          | 20099                         |                            | 20299                    |                            |
| 1200                | 5           | 20123                         | 20047                      | 20328                    | 20247                      |
|                     | 10          | 20100                         | 20048                      | 20300                    | 20248                      |
|                     | 15          | 20101                         | 20049                      | 20301                    | 20249                      |
|                     | 30          | 20102                         | 20050                      | 20302                    | 20250                      |
|                     | 45          | 20103                         |                            | 20303                    |                            |

|                     |             | Secondary current [A] / Class |                      |                    |                      |
|---------------------|-------------|-------------------------------|----------------------|--------------------|----------------------|
| Primary current [A] | Burden [VA] | 5 A Cl. 1 Art.-no.            | 5 A Cl. 0,5 Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 1250                | 5           | 20124                         | 20051                | 20329              | 20251                |
|                     | 10          | 20104                         | 20052                | 20304              | 20252                |
|                     | 15          | 20105                         | 20053                | 20305              | 20253                |
|                     | 30          | 20106                         | 20054                | 20306              | 20254                |
|                     | 45          | 20107                         |                      | 20307              |                      |
| 1500                | 5           | 20125                         | 20055                | 20330              | 20255                |
|                     | 10          | 20108                         | 20056                | 20308              | 20256                |
|                     | 15          | 20109                         | 20057                | 20309              | 20257                |
|                     | 30          | 20110                         | 20058                | 20310              | 20258                |
|                     | 45          | 20111                         |                      | 20311              |                      |

|                                                                                   |                               | Art.-no.     |
|-----------------------------------------------------------------------------------|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type E</b> | <b>59044</b> |

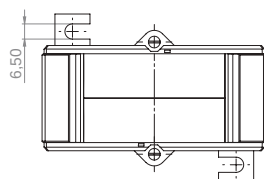
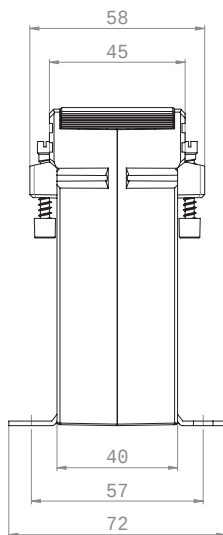
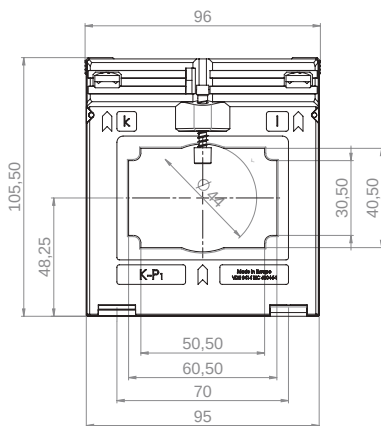


## ASK 63.4

### Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 60 x 30 mm |
| Bus bar 2         | 50 x 40 mm |
| Round conductor   | 44 mm      |
| Transformer width | 96 mm      |
| Height            | 105,5 mm   |
| Depth             | 58 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 300                 | 1,5         | 25041                         | 25011                      | 25241                    | 25211                      |
|                     | 2,5         | 25042                         | 25012                      | 25242                    | 25212                      |
| 400                 | 2,5         | 25043                         | 25013                      | 25243                    | 25213                      |
|                     | 5           | 25044                         | 25014                      | 25244                    | 25214                      |
| 500                 | 5           | 25045                         | 25015                      | 25245                    | 25215                      |
|                     | 10          | 25046                         |                            | 25246                    |                            |
| 600                 | 5           | 25047                         | 25017                      | 25247                    | 25217                      |
|                     | 10          | 25048                         | 25018                      | 25248                    | 25218                      |
|                     | 15          | 25049                         |                            | 25249                    |                            |
| 750                 | 5           | 25050                         | 25020                      | 25250                    | 25220                      |
|                     | 10          | 25051                         | 25021                      | 25251                    | 25221                      |
|                     | 15          | 25052                         | 25022                      | 25252                    | 25222                      |
| 800                 | 5           | 25053                         | 25023                      | 25253                    | 25223                      |
|                     | 10          | 25054                         | 25024                      | 25254                    | 25224                      |
|                     | 15          | 25055                         | 25025                      | 25255                    | 25225                      |
| 1000                | 5           | 25056                         | 25026                      | 25256                    | 25226                      |
|                     | 10          | 25057                         | 25027                      | 25257                    | 25227                      |
|                     | 15          | 25058                         | 25028                      | 25258                    | 25228                      |
| 1200                | 5           | 25059                         | 25029                      | 25259                    | 25229                      |
|                     | 10          | 25060                         | 25030                      | 25260                    | 25230                      |
|                     | 15          | 25061                         | 25031                      | 25261                    | 25231                      |
| 1250                | 5           | 25062                         | 25032                      | 25262                    | 25232                      |
|                     | 10          | 25063                         | 25033                      | 25263                    | 25233                      |
|                     | 15          | 25064                         | 25034                      | 25264                    | 25234                      |
| 1500                | 5           | 25065                         | 25035                      | 25265                    | 25235                      |
|                     | 10          | 25066                         | 25036                      | 25266                    | 25236                      |
|                     | 15          | 25067                         | 25037                      | 25267                    | 25237                      |
| 1600                | 5           | 25068VG                       | 25038VG                    | 25268VG                  | 25238VG                    |
|                     | 10          | 25069VG                       | 25039VG                    | 25269VG                  | 25239VG                    |
|                     | 15          | 25070VG                       | 25040VG                    | 25270VG                  | 25240VG                    |

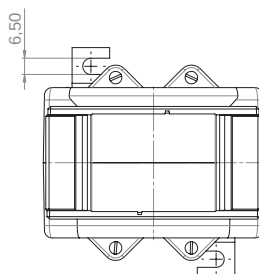
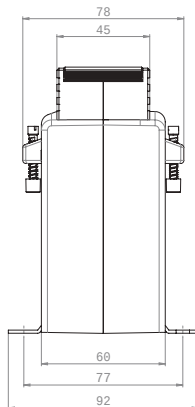
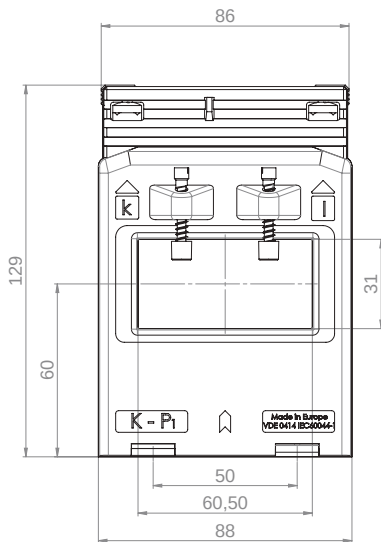
|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | -        |
|  | Sealed shutter, type C | 59042    |

## ASK 63.6

### Plug-in current transformer



Bus bar 1            60 x 30 mm  
 Round conductor    30 mm  
 Transformer width   88 mm  
 Height                129 mm  
 Depth                 78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 200                 | 1,5         | 85060                         |                            | 85260                    |                            |
|                     | 2,5         | 85061                         |                            | 85261                    |                            |
| 250                 | 1,5         | 85062                         | 85011                      | 85262                    | 85211                      |
|                     | 2,5         | 85063                         | 85012                      | 85263                    | 85212                      |
|                     | 5           | 85116                         |                            | 85316                    |                            |
| 300                 | 1,5         | 85064                         | 85013                      | 85264                    | 85213                      |
|                     | 2,5         | 85065                         | 85014                      | 85265                    | 85214                      |
|                     | 5           | 85066                         | 85015                      | 85266                    | 85215                      |
|                     | 10          | 85067                         |                            | 85267                    |                            |
| 400                 | 2,5         | 85068                         | 85017                      | 85268                    | 85217                      |
|                     | 5           | 85069                         | 85018                      | 85269                    | 85218                      |
|                     | 10          | 85071                         |                            |                          |                            |
| 500                 | 2,5         | 85073                         | 85021                      | 85273                    | 85221                      |
|                     | 5           | 85074                         | 85022                      | 85274                    | 85222                      |
|                     | 10          | 85075                         |                            | 85275                    |                            |
|                     | 15          | 85076                         |                            | 85276                    |                            |
| 600                 | 2,5         | 85077                         | 85025                      | 85277                    | 85225                      |
|                     | 5           | 85078                         | 85026                      | 85278                    | 85226                      |
|                     | 10          | 85079                         | 85027                      | 85279                    | 85227                      |
|                     | 15          | 85080                         |                            | 85280                    |                            |
| 750                 | 2,5         | 85081                         | 85029                      | 85281                    | 85229                      |
|                     | 5           | 85082                         | 85030                      | 85282                    | 85230                      |
|                     | 10          | 85083                         | 85031                      | 85283                    | 85231                      |
|                     | 15          | 85084                         |                            | 85284                    |                            |
| 800                 | 2,5         | 85085                         | 85033                      | 85285                    | 85233                      |
|                     | 5           | 85086                         | 85034                      | 85286                    | 85234                      |
|                     | 10          | 85087                         | 85035                      | 85287                    | 85235                      |
|                     | 15          | 85088                         | 85036                      | 85288                    | 85236                      |
| 1000                | 5           | 85089                         | 85037                      | 85289                    | 85237                      |
|                     | 10          | 85090                         | 85038                      | 85290                    | 85238                      |
|                     | 15          | 85091                         | 85039                      | 85291                    | 85239                      |
|                     | 30          | 85092                         |                            | 85292                    |                            |
| 1200                | 5           | 85093                         | 85041                      | 85293                    | 85241                      |
|                     | 10          | 85094                         | 85042                      | 85294                    | 85242                      |
|                     | 15          | 85095                         | 85043                      | 85295                    | 85243                      |
|                     | 30          | 85096                         |                            | 85296                    |                            |
| 1250                | 5           | 85097                         | 85045                      | 85297                    | 85245                      |
|                     | 10          | 85098                         | 85046                      | 85298                    | 85246                      |
|                     | 15          | 85099                         | 85047                      | 85299                    | 85247                      |
|                     | 30          | 85100                         |                            | 85300                    |                            |
| 1500                | 5           | 85101                         | 85049                      | 85301                    | 85249                      |
|                     | 10          | 85102                         | 85050                      | 85302                    | 85250                      |
|                     | 15          | 85103                         | 85051                      | 85303                    | 85251                      |
|                     | 30          | 85104                         |                            | 85304                    |                            |
| 1600                | 5           | 85105                         | 85053                      | 85305                    | 85253                      |
|                     | 10          | 85106                         | 85054                      | 85306                    | 85254                      |
|                     | 15          | 85107                         | 85055                      | 85307                    | 85255                      |
|                     | 30          | 85108                         |                            | 85308                    |                            |
| 2000                | 5           | 85109VV                       | 85056VV                    | 85309VV                  | 85256VV                    |
|                     | 10          | 85110VV                       | 85057VV                    | 85310VV                  | 85257VV                    |
|                     | 15          | 85111VV                       | 85058VV                    | 85311VV                  | 85258VV                    |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | -        |
|  | Sealed shutter, type C | 59042    |

**MBS AG**

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Germany

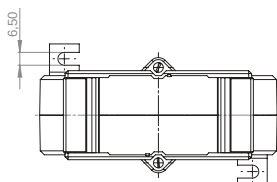
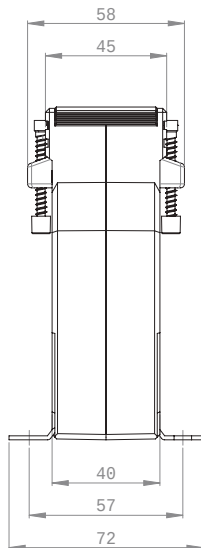
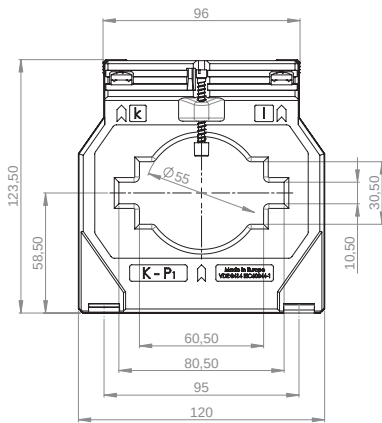
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## ASK 81.4

### Plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 80 x 10 mm     |
| Bus bar 2         | 60 x 30 mm     |
| Bus bar 3         | 2 x 60 x 10 mm |
| Round conductor   | 55 mm          |
| Transformer width | 120 mm         |
| Height            | 123,5 mm       |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 400                 | 2,5         | 21038                         | 21009                      | V47-2004D                   | 21238                    | 21209                      |
|                     | 5           | 21039                         | 21010                      | V47-2004F                   | 21239                    | 21210                      |
|                     | 10          | 21198                         |                            |                             | 21292                    |                            |
| 500                 | 2,5         | 21040                         | 21011                      | V47-2104D                   | 21240                    | 21211                      |
|                     | 5           | 21041                         | 21135                      | V47-2104F                   | 21241                    | 21335                      |
|                     | 10          | 21042                         | 21078                      |                             | 21242                    | 21278                      |
| 600                 | 2,5         | 21043                         | 21012                      | V47-2204D                   | 21243                    | 21212                      |
|                     | 5           | 21044                         | 21013                      | V47-2204F                   | 21244                    | 21213                      |
|                     | 10          | 21045                         | 21014                      | V47-2204H                   | 21245                    | 21214                      |
| 750                 | 2,5         | 21046                         | 21015                      | V47-2304D                   | 21246                    | 21215                      |
|                     | 5           | 21047                         | 21016                      | V47-2304F                   | 21247                    | 21216                      |
|                     | 10          | 21048                         | 21017                      | V47-2304H                   | 21248                    | 21217                      |
|                     | 15          | 21049                         | 21079                      |                             | 21249                    | 21279                      |
| 800                 | 2,5         | 21050                         | 21018                      |                             | 21250                    | 21218                      |
|                     | 5           | 21051                         | 21019                      |                             | 21251                    | 21219                      |
|                     | 10          | 21052                         | 21020                      |                             | 21252                    | 21220                      |
|                     | 15          | 21053                         | 21080                      |                             | 21253                    | 21280                      |
| 1000                | 2,5         | 21084                         |                            |                             |                          |                            |
|                     | 5           | 21054                         | 21021                      | V47-2504F                   | 21254                    | 21221                      |
|                     | 10          | 21055                         | 21022                      | V47-2504H                   | 21255                    | 21222                      |
|                     | 15          | 21056                         | 21023                      | V47-2504J                   | 21256                    | 21223                      |
|                     | 30          | 21057                         |                            |                             | 21257                    |                            |
| 1200                | 5           | 21058                         | 21024                      | V47-2604F                   | 21258                    | 21224                      |
|                     | 10          | 21059                         | 21025                      | V47-2604H                   | 21259                    | 21225                      |
|                     | 15          | 21060                         | 21026                      | V47-2604J                   | 21260                    | 21226                      |
| 1250                | 5           | 21062                         | 21027                      | V47-2704F                   | 21262                    | 21227                      |
|                     | 10          | 21063                         | 21028                      | V47-2704H                   | 21263                    | 21228                      |
|                     | 15          | 21064                         | 21029                      | V47-2704J                   | 21264                    | 21229                      |
| 1500                | 5           | 21085                         | 21030                      | V47-2804F                   | 21285                    | 21230                      |
|                     | 10          | 21066                         | 21031                      | V47-2804H                   | 21266                    | 21231                      |
|                     | 15          | 21067                         | 21032                      | V47-2804J                   | 21267                    | 21232                      |
|                     | 30          | 21068                         |                            |                             | 21268                    |                            |
|                     | 5           | 21086                         | 21033                      |                             | 21286                    | 21233                      |
| 1600                | 10          | 21070                         | 21034                      |                             | 21270                    | 21234                      |
|                     | 15          | 21071                         | 21035                      |                             | 21271                    | 21235                      |
|                     | 30          | 21072                         |                            |                             | 21272                    |                            |
|                     | 10          | 21074                         | 21036                      |                             | 21274                    | 21236                      |
| 2000                | 15          | 21075                         | 21037                      |                             | 21275                    | 21237                      |
|                     | 30          | 21076                         |                            |                             | 21276                    |                            |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## ASK 81.4 2U

Plug-in current transformer, secondary reconnectable

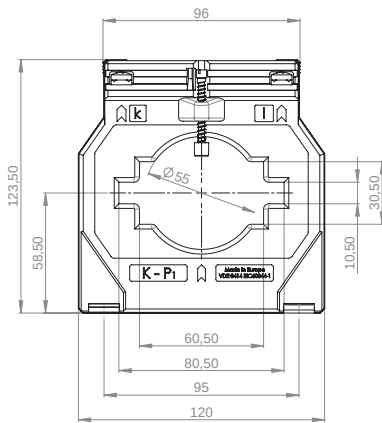


|                   |                |
|-------------------|----------------|
| Bus bar 1         | 80 x 10 mm     |
| Bus bar 2         | 60 x 30 mm     |
| Bus bar 3         | 2 x 60 x 10 mm |
| Round conductor   | 55 mm          |
| Transformer width | 120 mm         |
| Height            | 123,5 mm       |
| Depth             | 58 mm          |

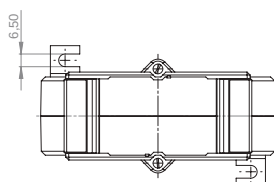
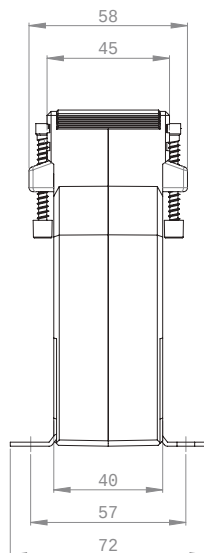
| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 1000-500            | 10-5        | 21120                         | 21320                    |
|                     | 15-7,5      | 21121                         | 21321                    |
| 1200-600            | 10-5        | 21122                         | 21322                    |
|                     | 15-7,5      | 21123                         | 21323                    |
| 1500-750            | 10-5        | 21124                         | 21324                    |
|                     | 15-7,5      | 21125                         | 21325                    |
|                     | 30-15       | 21126                         | 21326                    |
| 1600-800            | 10-5        | 21127                         | 21327                    |
|                     | 15-7,5      | 21128                         | 21328                    |

## ASK 81.4 3U

Plug-in current transformer, secondary reconnectable



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 1000-750-500        | 10-5-2,5    | 21166                         | 21366                    |
| 1200-800-600        | 15-10-5     | 21164                         | 21364                    |
| 1500-1000-500       | 15-10-5     | 21163                         | 21363                    |
| 1500-1000-750       | 15-10-5     | 21165                         | 21365                    |
| 1600-800-400        | 15-10-5     | 21162                         | 21362                    |



|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

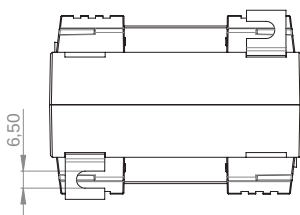
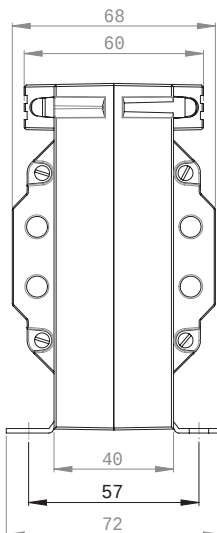
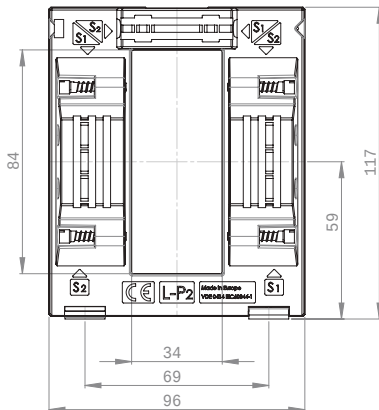
## ASK 83.4

### Plug-in current transformer

Selectable positions of the secondary terminals allow flexible positions of installation.



Bus bar 1                    84 x 34 mm  
Round conductor            34 mm  
Transformer width          96 mm  
Height                        117 mm  
Depth                         68 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 300                 | 1,5         | 100051-x                      | 100011-x                   | 100251-x                 | 100211-x                   |
|                     | 2,5         | 100052-x                      | 100012-x                   | 100252-x                 | 100212-x                   |
| 400                 | 2,5         | 100053-x                      | 100013-x                   | 100253-x                 | 100213-x                   |
|                     | 5           | 100054-x                      | 100014-x                   | 100254-x                 | 100214-x                   |
| 500                 | 2,5         | 100055-x                      | 100015-x                   | 100255-x                 | 100215-x                   |
|                     | 5           | 100056-x                      | 100016-x                   | 100256-x                 | 100216-x                   |
| 600                 | 2,5         | 100057-x                      | 100017-x                   | 100257-x                 | 100217-x                   |
|                     | 5           | 100058-x                      | 100018-x                   | 100258-x                 | 100218-x                   |
|                     | 10          | 100059-x                      |                            | 100259-x                 |                            |
| 750                 | 2,5         | 100060-x                      | 100019-x                   | 100260-x                 | 100219-x                   |
|                     | 5           | 100061-x                      | 100020-x                   | 100261-x                 | 100220-x                   |
|                     | 10          | 100062-x                      | 100021-x                   | 100262-x                 | 100221-x                   |
|                     | 15          | 100063-x                      |                            | 100263-x                 |                            |
| 800                 | 2,5         | 100064-x                      | 100022-x                   | 100264-x                 | 100222-x                   |
|                     | 5           | 100065-x                      | 100023-x                   | 100265-x                 | 100223-x                   |
|                     | 10          | 100066-x                      | 100024-x                   | 100266-x                 | 100224-x                   |
|                     | 15          | 100067-x                      |                            | 100267-x                 |                            |
| 1000                | 5           | 100068-x                      | 100025-x                   | 100268-x                 | 100225-x                   |
|                     | 10          | 100069-x                      | 100026-x                   | 100269-x                 | 100226-x                   |
|                     | 15          | 100070-x                      | 100027-x                   | 100270-x                 | 100227-x                   |
| 1200                | 5           | 100071-x                      | 100028-x                   | 100271-x                 | 100228-x                   |
|                     | 10          | 100072-x                      | 100029-x                   | 100272-x                 | 100229-x                   |
|                     | 15          | 100073-x                      | 100030-x                   | 100273-x                 | 100230-x                   |
| 1250                | 5           | 100074-x                      | 100031-x                   | 100274-x                 | 100231-x                   |
|                     | 10          | 100075-x                      | 100032-x                   | 100275-x                 | 100232-x                   |
|                     | 15          | 100076-x                      | 100033-x                   | 100276-x                 | 100233-x                   |
| 1500                | 5           | 100077-x                      | 100034-x                   | 100277-x                 | 100234-x                   |
|                     | 10          | 100078-x                      | 100035-x                   | 100278-x                 | 100235-x                   |
|                     | 15          | 100079-x                      | 100036-x                   | 100279-x                 | 100236-x                   |
| 1600                | 5           | 100080-x                      | 100037-x                   | 100280-x                 | 100237-x                   |
|                     | 10          | 100081-x                      | 100038-x                   | 100281-x                 | 100238-x                   |
|                     | 15          | 100082-x                      | 100039-x                   | 100282-x                 | 100239-x                   |
|                     | 30          | 100083-x                      |                            | 100283-x                 |                            |
| 1800                | 10          | 100084-x                      | 100040-x                   | 100284-x                 | 100240-x                   |
|                     | 15          | 100085-x                      | 100041-x                   | 100285-x                 | 100241-x                   |
|                     | 30          | 100086-x                      |                            | 100286-x                 |                            |
| 2000                | 10          | 100087-x                      | 100042-x                   | 100287-x                 | 100242-x                   |
|                     | 15          | 100088-x                      | 100043-x                   | 100288-x                 | 100243-x                   |
|                     | 30          | 100089-x                      |                            | 100289-x                 |                            |

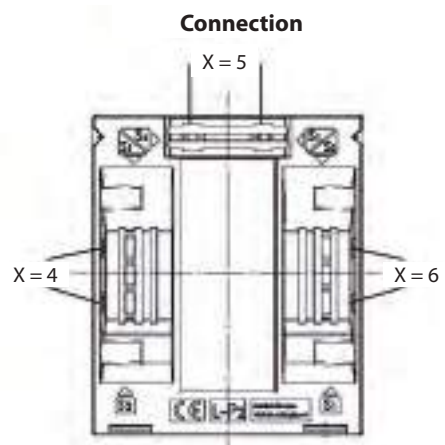
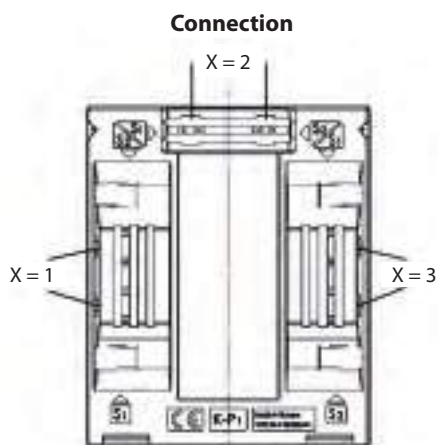
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## ASK 83.4

Plug-in current transformer



The secondary terminals of the current transformer type ASK 83.4 can be realized in 6 different positions. Please be so kind and choose with your order.



### Order example

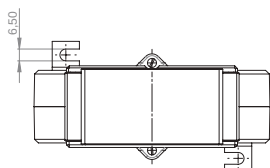
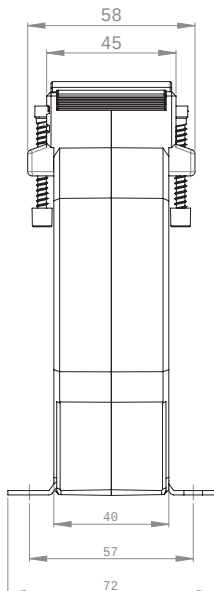
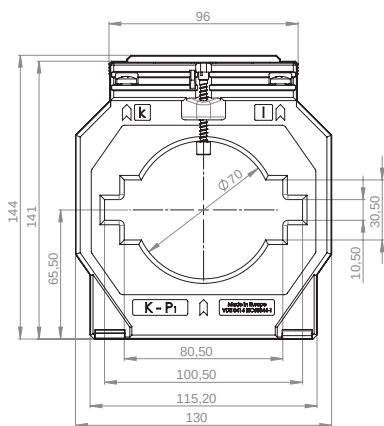
ASK 83.4 800/5A 10VA Cl.1  
 Connection option K-P<sub>1</sub> (h.b.) top  
 Art.-no. 100066-2

## ASK 101.4

### Plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 100 x 10 mm    |
| Bus bar 2         | 2 x 80 x 10 mm |
| Round conductor   | 70 mm          |
| Transformer width | 130 mm         |
| Height            | 141 mm         |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 500                 | 2,5         |                               | 22009                      |                          | 22209                      |
|                     | 5           | 22076                         | 22010                      | 22276                    | 22210                      |
|                     | 10          | 22077                         |                            | 22277                    |                            |
| 600                 | 2,5         |                               | 22011                      |                          | 22211                      |
|                     | 5           | 22038                         | 22012                      | 22238                    | 22212                      |
|                     | 10          | 22039                         |                            | 22239                    |                            |
| 750                 | 2,5         |                               | 22013                      |                          | 22213                      |
|                     | 5           | 22040                         | 22014                      | 22240                    | 22214                      |
|                     | 10          | 22041                         | 22078                      | 22241                    | 22281                      |
| 800                 | 5           | 22042                         | 22015                      | 22242                    | 22215                      |
|                     | 10          | 22043                         | 22016                      | 22243                    | 22216                      |
|                     | 15          | 22044                         |                            | 22244                    |                            |
| 1000                | 5           | 22045                         | 22017                      | 22245                    | 22217                      |
|                     | 10          | 22046                         | 22018                      | 22246                    | 22218                      |
|                     | 15          | 22047                         |                            | 22247                    |                            |
| 1200                | 5           | 22048                         | 22019                      | 22248                    | 22219                      |
|                     | 10          | 22049                         | 22020                      | 22249                    | 22220                      |
|                     | 15          | 22050                         |                            | 22250                    |                            |
| 1250                | 30          | 22051                         |                            | 22251                    |                            |
|                     | 5           | 22052                         | 22021                      | 22252                    | 22221                      |
|                     | 10          | 22053                         | 22022                      | 22253                    | 22222                      |
| 1500                | 15          | 22054                         |                            | 22254                    |                            |
|                     | 30          | 22055                         |                            | 22255                    |                            |
| 1600                | 5           | 22056                         | 22023                      | 22256                    | 22223                      |
|                     | 10          | 22057                         | 22024                      | 22257                    | 22224                      |
|                     | 15          | 22058                         | 22025                      | 22258                    | 22279                      |
| 1800                | 30          | 22059                         |                            | 22259                    |                            |
|                     | 5           |                               | 22026                      |                          | 22226                      |
| 2000                | 10          | 22060                         | 22027                      | 22260                    | 22227                      |
|                     | 15          | 22061                         | 22028                      | 22261                    | 22228                      |
|                     | 30          | 22062                         |                            | 22262                    |                            |
| 1800                | 5           |                               | 22029                      |                          | 22229                      |
|                     | 10          | 22064                         | 22030                      | 22264                    | 22230                      |
|                     | 15          | 22065                         | 22031                      | 22265                    | 22231                      |
| 2000                | 30          | 22066                         |                            | 22266                    |                            |
|                     | 5           |                               | 22032                      |                          | 22232                      |
|                     | 10          | 22068                         | 22033                      | 22268                    | 22233                      |
|                     | 15          | 22069                         | 22034                      | 22269                    | 22234                      |
|                     | 30          | 22070                         | 22118                      | 22270                    | 22280                      |

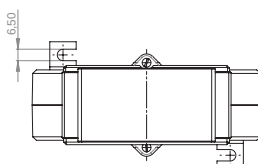
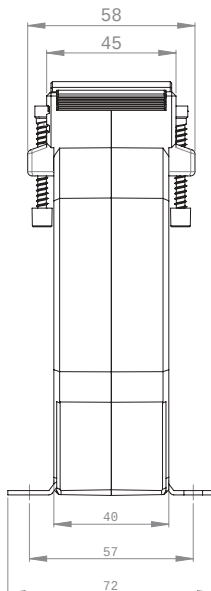
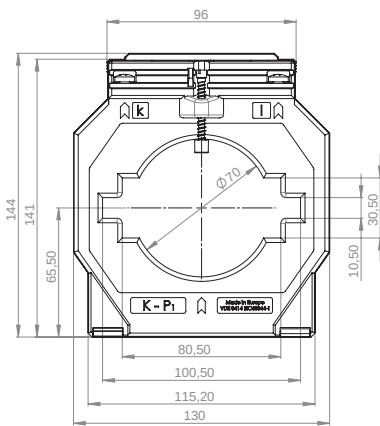
|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | -        |
|  | Sealed shutter, type C | 59042    |

## ASK 101.4 2U

Plug-in current transformer, secondary reconnectable



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 100 x 10 mm    |
| Bus bar 2         | 2 x 80 x 10 mm |
| Round conductor   | 70 mm          |
| Transformer width | 130 mm         |
| Height            | 141 mm         |
| Depth             | 58 mm          |



|                     |             | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 1200-600            | 10-5        | 22120                         | 22320                    |
|                     | 15-7,5      | 22121                         | 22321                    |
| 1500-750            | 10-5        | 22122                         | 22322                    |
|                     | 15-7,5      | 22123                         | 22323                    |
| 1600-800            | 10-5        | 22124                         | 22324                    |
|                     | 15-7,5      | 22125                         | 22325                    |
|                     | 30-15       | 22126                         | 22326                    |
| 2000-1000           | 10-5        | 22127                         | 22327                    |
|                     | 15-7,5      | 22128                         | 22328                    |
|                     | 30-15       | 22129                         | 22329                    |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

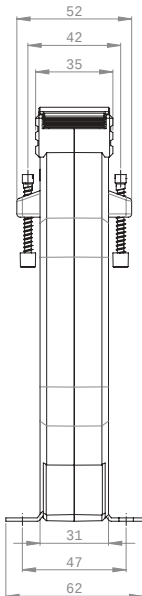
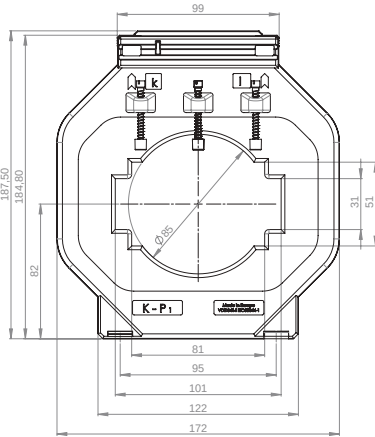


## ASK 103.3

### Plug-in current transformer



Bus bar 1            2 x 100 x 10 mm  
 Bus bar 2            3 x 80 x 10 mm  
 Round conductor    85 mm  
 Transformer width   172 mm  
 Height                184,8 mm  
 Depth                 52 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 750                 | 2,5         |                               | 23011                      |                          | 23211                      |
|                     | 5           | 23036                         | 23076                      | 23236                    | 23276                      |
|                     | 10          | 23037                         |                            | 23237                    |                            |
| 800                 | 2,5         |                               | 23012                      |                          | 23212                      |
|                     | 5           | 23038                         | 23013                      | 23238                    | 23213                      |
|                     | 10          | 23039                         | 23077                      | 23239                    | 23277                      |
|                     | 15          | 23040                         |                            | 23240                    |                            |
| 1000                | 5           | 23041                         | 23014                      | 23241                    | 23214                      |
|                     | 10          | 23042                         | 23015                      | 23242                    | 23215                      |
|                     | 15          | 23043                         | 23016                      | 23243                    | 23216                      |
| 1200                | 5           | 23044                         | 23017                      | 23244                    | 23217                      |
|                     | 10          | 23045                         | 23018                      | 23245                    | 23218                      |
|                     | 15          | 23046                         | 23019                      | 23246                    | 23219                      |
|                     | 30          | 23047                         |                            | 23247                    |                            |
| 1250                | 5           | 23048                         | 23020                      | 23248                    | 23220                      |
|                     | 10          | 23049                         | 23021                      | 23249                    | 23221                      |
|                     | 15          | 23050                         | 23022                      | 23250                    | 23222                      |
|                     | 30          | 23051                         |                            | 23251                    |                            |
| 1500                | 10          | 23052                         | 23023                      | 23252                    | 23223                      |
|                     | 15          | 23053                         | 23024                      | 23253                    | 23224                      |
|                     | 30          | 23054                         |                            | 23254                    |                            |
| 1600                | 10          | 23056                         | 23025                      | 23256                    | 23225                      |
|                     | 15          | 23057                         | 23026                      | 23257                    | 23226                      |
|                     | 30          | 23058                         |                            | 23258                    |                            |
| 2000                | 10          | 23060                         | 23027                      | 23260                    | 23227                      |
|                     | 15          | 23061                         | 23028                      | 23261                    | 23228                      |
|                     | 30          | 23062                         | 23029                      | 23262                    | 23229                      |
| 2500                | 10          | 23064                         | 23030                      | 23264                    | 23230                      |
|                     | 15          | 23065                         | 23031                      | 23265                    | 23231                      |
|                     | 30          | 23066                         | 23032                      | 23266                    | 23232                      |
| 3000                | 10          | 23068                         | 23033                      | 23268                    | 23233                      |
|                     | 15          | 23069                         | 23034                      | 23269                    | 23234                      |
|                     | 30          | 23070                         | 23035                      | 23270                    | 23235                      |

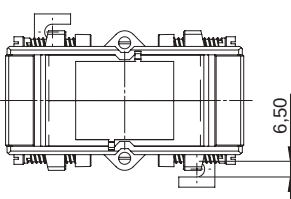
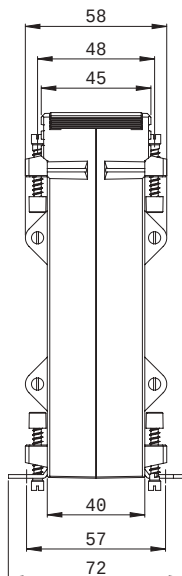
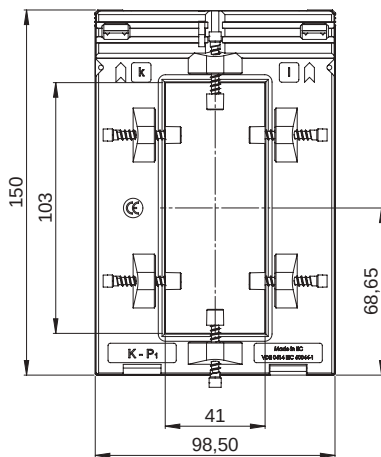
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | -            |
|  | <b>Sealed shutter, type A</b> | <b>59040</b> |

## ASK 103.41

Plug-in current transformer



Bus bar 1                    103 x 41 mm  
Round conductor            40 mm  
Transformer width          99 mm  
Height                        150 mm  
Depth                         58 mm



|                     |             | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 400                 | 2,5         | 97051                         | 97021                      | 97251                    | 97221                      |
|                     | 5           | 97052                         |                            | 97252                    |                            |
| 500                 | 2,5         | 97053                         | 97023                      | 97253                    | 97223                      |
|                     | 5           | 97054                         |                            | 97254                    |                            |
| 600                 | 2,5         | 97055                         | 97025                      | 97255                    | 97225                      |
|                     | 5           | 97056                         |                            | 97256                    |                            |
| 750                 | 2,5         | 97057                         | 97027                      | 97257                    | 97227                      |
|                     | 5           | 97058                         |                            | 97258                    |                            |
| 800                 | 5           | 97059                         | 97029                      | 97259                    | 97229                      |
|                     | 10          | 97060                         |                            | 97260                    |                            |
| 1000                | 10          | 97061                         | 97031                      | 97261                    | 97231                      |
|                     | 15          | 97062                         |                            | 97262                    |                            |
| 1200                | 10          | 97063                         | 97033                      | 97263                    | 97233                      |
|                     | 15          | 97064                         |                            | 97264                    |                            |
| 1250                | 10          | 97065                         | 97035                      | 97265                    | 97235                      |
|                     | 15          | 97066                         |                            | 97266                    |                            |
| 1500                | 15          | 97067                         | 97037                      | 97267                    | 97237                      |
|                     | 30          | 97068                         |                            | 97268                    |                            |
| 2000                | 15          | 97069                         | 97039                      | 97269                    | 97239                      |
|                     | 30          | 97070                         |                            | 97270                    |                            |

## ASK 103.41 2U

Plug-in current transformer, secondary reconnectable

|                     |             | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 1000-500            | 5-2,5       | 97081                         | 97071                      | 97281                    | 97271                      |
| 1200-600            | 5-2,5       | 97082                         | 97072                      | 97282                    | 97272                      |
| 1500-750            | 10-5        | 97083                         | 97073                      | 97283                    | 97273                      |
|                     | 15-7,5      | 97084                         |                            | 97284                    |                            |
| 2000-1000           | 15-7,5      | 97085                         | 97075                      | 97285                    | 97275                      |
|                     | 30-15       | 97086                         |                            | 97286                    |                            |

|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

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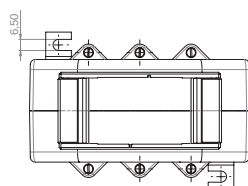
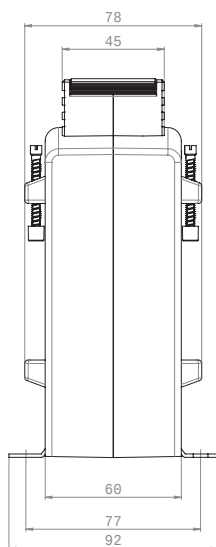
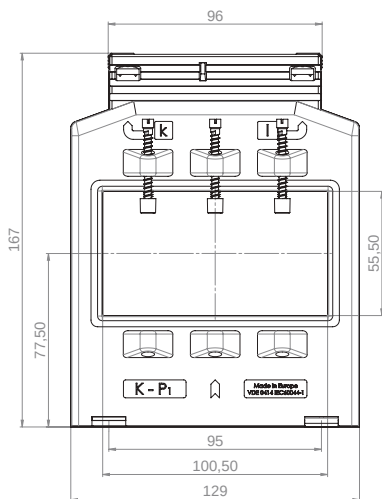
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## ASK 105.6

### Plug-in current transformer



Bus bar 1                    100 x 55 mm  
 Round conductor            55 mm  
 Transformer width          129 mm  
 Height                        167 mm  
 Depth                         78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                      |                       |                    |                      |
|---------------------|-------------|-------------------------------|----------------------|-----------------------|--------------------|----------------------|
|                     |             | 5 A Cl. 1 Art.-no.            | 5 A Cl. 0,5 Art.-no. | 5 A Cl. 0,2s Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 600                 | 2,5         |                               | 86083                | V55-2204D             |                    | 86283                |
|                     | 5           | 86092                         | 86084                |                       | 86292              | 86284                |
|                     | 10          | 86093                         |                      |                       | 86293              |                      |
| 750                 | 2,5         |                               | 86086                | V55-2304D             |                    | 86286                |
|                     | 5           | 86095                         | 86087                | V55-2304F             | 86295              | 86287                |
|                     | 10          | 86096                         | 86157                |                       | 86296              | 86357                |
| 800                 | 5           | 86097                         | 86089                | V55-2404F             | 86297              | 86289                |
|                     | 10          | 86098                         | 86090                |                       | 86298              | 86290                |
| 1000                | 2,5         |                               | 86158                |                       |                    |                      |
|                     | 5           | 86051                         | 86011                | V55-2504F             | 86251              | 86211                |
|                     | 10          | 86052                         | 86159                | V55-2504H             | 86252              | 86359                |
|                     | 15          | 86113                         | 86160                |                       | 86299              | 86360                |
| 1200                | 5           | 86053                         | 86013                | V55-2604F             | 86253              | 86213                |
|                     | 10          | 86054                         | 86014                | V55-2604H             | 86254              | 86214                |
|                     | 15          | 86055                         | 86015                |                       | 86255              | 86215                |
| 1250                | 5           | 86056                         | 86016                | V55-2704F             | 86256              | 86216                |
|                     | 10          | 86057                         | 86017                | V55-2704H             | 86257              | 86217                |
|                     | 15          | 86058                         | 86018                | V55-2704J             | 86258              | 86218                |
| 1500                | 5           | 86059                         | 86019                | V55-2804F             | 86259              | 86219                |
|                     | 10          | 86060                         | 86020                | V55-2804H             | 86260              | 86220                |
|                     | 15          | 86061                         | 86021                | V55-2804J             | 86261              | 86221                |
|                     | 30          | 86062                         | 86163                |                       | 86262              | 86363                |
| 1600                | 5           | 86110                         | 86164                | V55-2904F             |                    |                      |
|                     | 10          | 86142                         | 86165                | V55-2904H             | 86331              | 86338                |
|                     | 15          | 86101                         | 86149                | V55-2904J             | 86330              | 86339                |
|                     | 30          | 86138                         | 86166                |                       | 86337              | 86340                |
| 1800                | 5           | 86063                         | 86023                |                       | 86263              | 86223                |
|                     | 10          | 86064                         | 86024                |                       | 86264              | 86224                |
|                     | 15          | 86065                         | 86025                |                       | 86265              | 86225                |
|                     | 30          | 86066                         |                      |                       | 86266              |                      |
| 2000                | 5           |                               | 86167                | V55-3004F             |                    |                      |
|                     | 10          | 86067                         | 86027                | V55-3004H             | 86267              | 86227                |
|                     | 15          | 86068                         | 86028                | V55-3004J             | 86268              | 86228                |
|                     | 30          | 86069                         | 86029                |                       | 86269              | 86229                |
|                     | 45          | 86070                         |                      |                       | 86270              |                      |
| 2400                | 10          |                               | 86169                | V55-3104H             |                    |                      |
|                     | 15          |                               | 86170                | V55-3104J             |                    |                      |
|                     | 30          |                               | 86171                |                       |                    |                      |
| 2500                | 5           |                               | 86172                | V55-3204F             |                    |                      |
|                     | 10          | 86071                         | 86031                | V55-3204H             | 86271              | 86231                |
|                     | 15          | 86072                         | 86032                | V55-3204J             | 86272              | 86232                |
|                     | 30          | 86073                         | 86033                |                       | 86273              | 86233                |
|                     | 45          | 86074                         |                      |                       | 86274              |                      |
| 3000                | 5           |                               | 86173                | V55-3304F             |                    |                      |
|                     | 10          | 86075                         | 86035                | V55-3304H             | 86275              | 86235                |
|                     | 15          | 86076                         | 86036                | V55-3304J             | 86276              | 86236                |
|                     | 30          | 86077                         | 86037                |                       | 86277              | 86237                |
|                     | 45          | 86078                         |                      |                       | 86278              |                      |

|  | Art.-no.                      |
|--|-------------------------------|
|  | <b>Snap-on mounting</b>       |
|  | <b>Sealed shutter, type C</b> |
|  | <b>59042</b>                  |

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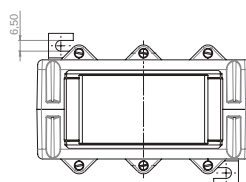
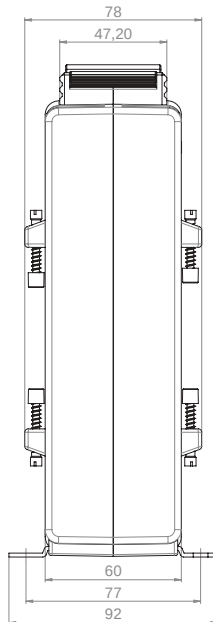
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## ASK 105.6N

Plug-in current transformer



Bus bar 1                    100 x 55 mm  
Round conductor            55 mm  
Transformer width          129 mm  
Height                        214 mm  
Depth                         78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 2500                | 10          | 86451                         | 86481                      | 86411                    | 86431                      |
|                     | 15          | 86452                         | 86482                      | 86412                    | 86432                      |
|                     | 30          | 86453                         | 86483                      | 86413                    | 86433                      |
|                     | 45          | 86454                         |                            | 86414                    |                            |
| 3000                | 10          | 86455                         | 86484                      | 86415                    | 86434                      |
|                     | 15          | 86456                         | 86485                      | 86416                    | 86435                      |
|                     | 30          | 86457                         | 86486                      | 86417                    | 86436                      |
|                     | 45          | 86458                         |                            | 86418                    |                            |
| 4000                | 10          | 86459                         | 86487                      | 86419                    | 86437                      |
|                     | 15          | 86460                         | 86488                      | 86420                    | 86438                      |
|                     | 30          | 86461                         | 86489                      | 86421                    | 86439                      |
|                     | 45          | 86462                         |                            | 86422                    |                            |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

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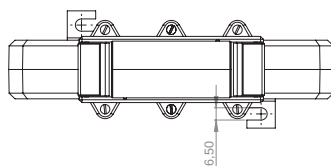
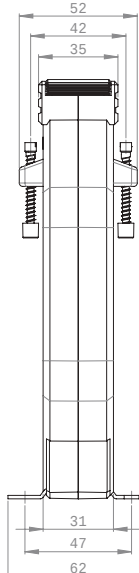
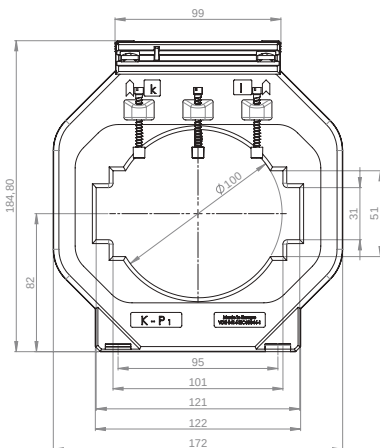
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## ASK 123.3

### Plug-in current transformer



|                   |                 |
|-------------------|-----------------|
| Bus bar 1         | 123 x 30 mm     |
| Bus bar 2         | 3 x 100 x 10 mm |
| Round conductor   | 100 mm          |
| Transformer width | 172 mm          |
| Height            | 184,8 mm        |
| Depth             | 52 mm           |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                      |                       |                    |                      |
|---------------------|-------------|-------------------------------|----------------------|-----------------------|--------------------|----------------------|
|                     |             | 5 A Cl. 1 Art.-no.            | 5 A Cl. 0,5 Art.-no. | 5 A Cl. 0,2s Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 750                 | 2,5         |                               | 24127                |                       |                    |                      |
|                     | 5           |                               | 24128                |                       |                    |                      |
|                     | 10          |                               | 24129                |                       |                    |                      |
| 1000                | 2,5         |                               | 24010                | V56-2504D             |                    |                      |
|                     | 5           | 24037                         | 24011                | V56-2504F             | 24237              | 24211                |
|                     | 10          | 24038                         | 24126                |                       | 24238              | 24125                |
| 1200                | 5           | 24039                         | 24012                | V56-2604F             | 24239              | 24212                |
|                     | 10          | 24040                         | 24013                |                       | 24240              | 24213                |
|                     | 15          | 24041                         | 24014                |                       | 24241              | 24214                |
| 1250                | 5           | 24042                         | 24015                | V56-2704F             | 24242              | 24215                |
|                     | 10          | 24043                         | 24016                | V56-2704H             | 24243              | 24216                |
|                     | 15          | 24044                         | 24017                |                       | 24244              | 24217                |
| 1500                | 5           | 24045                         | 24018                | V56-2804F             | 24245              | 24218                |
|                     | 10          | 24046                         | 24019                | V56-2804H             | 24246              | 24219                |
|                     | 15          | 24047                         | 24020                |                       | 24247              | 24220                |
|                     | 30          | 24048                         |                      |                       | 24248              |                      |
| 1600                | 5           | 24112                         |                      | V56-2904F             |                    |                      |
|                     | 10          | 24107                         |                      | V56-2904H             |                    |                      |
|                     | 15          | 24113                         |                      | V56-2904J             |                    |                      |
|                     | 30          | 24108                         | 24131                |                       |                    |                      |
| 1800                | 5           | 24049                         | 24021                |                       | 24249              | 24221                |
|                     | 10          | 24050                         | 24022                |                       | 24250              | 24222                |
|                     | 15          | 24051                         | 24023                |                       | 24251              | 24223                |
|                     | 30          | 24052                         |                      |                       | 24252              |                      |
| 2000                | 5           |                               | 24024                | V56-3004F             |                    | 24224                |
|                     | 10          | 24053                         | 24025                | V56-3004H             | 24253              | 24225                |
|                     | 15          | 24054                         | 24026                | V56-3004J             | 24254              | 24226                |
|                     | 30          | 24055                         | 24027                |                       | 24255              | 24227                |
| 2500                | 5           |                               | 24136                | V56-3204F             |                    |                      |
|                     | 10          | 24057                         | 24028                | V56-3204H             | 24257              | 24228                |
|                     | 15          | 24058                         | 24029                | V56-3204J             | 24258              | 24229                |
|                     | 30          | 24059                         | 24030                |                       | 24259              | 24230                |
| 3000                | 5           |                               | 24137                | V56-3304F             |                    |                      |
|                     | 10          | 24061                         | 24031                | V56-3304H             | 24261              | 24231                |
|                     | 15          | 24062                         | 24032                | V56-3304J             | 24262              | 24232                |
|                     | 30          | 24063                         | 24033                |                       | 24263              | 24233                |
|                     | 45          | 24064                         |                      |                       | 24264              |                      |

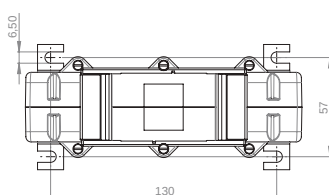
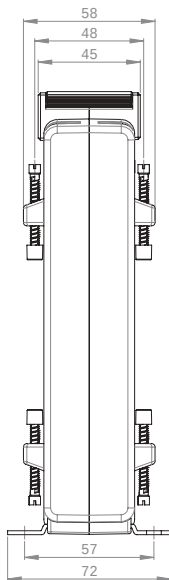
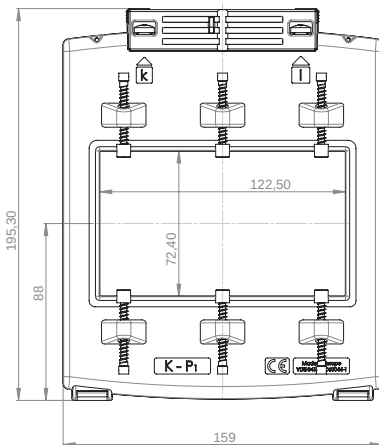
|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type A | 59040    |

## ASK 127.4

### Plug-in current transformer



Bus bar 1            120 x 70 mm  
 Round conductor    70 mm  
 Transformer width   159 mm  
 Height                195,3 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 1000                | 5           | 87540                         | 87510                      | 87640                    | 87610                      |
|                     | 10          | 87541                         | 87511                      | 87641                    | 87611                      |
| 1200                | 5           | 87542                         | 87512                      | 87642                    | 87612                      |
|                     | 10          | 87543                         | 87513                      | 87643                    | 87613                      |
|                     | 15          | 87544                         | 87514                      | 87644                    | 87614                      |
| 1250                | 10          | 87545                         | 87515                      | 87645                    | 87615                      |
|                     | 15          | 87546                         | 87516                      | 87646                    | 87616                      |
|                     | 30          | 87547                         | 87517                      | 87647                    | 87617                      |
| 1500                | 10          | 87548                         | 87518                      | 87648                    | 87618                      |
|                     | 15          | 87549                         | 87519                      | 87649                    | 87619                      |
|                     | 30          | 87550                         | 87520                      | 87650                    | 87620                      |
| 1600                | 10          | 87551                         | 87521                      | 87651                    | 87621                      |
|                     | 15          | 87552                         | 87522                      | 87652                    | 87622                      |
|                     | 30          | 87553                         | 87523                      | 87653                    | 87623                      |
| 1800                | 10          | 87554                         | 87524                      | 87654                    | 87624                      |
|                     | 15          | 87555                         | 87525                      | 87655                    | 87625                      |
|                     | 30          | 87556                         | 87526                      | 87656                    | 87626                      |
| 2000                | 10          | 87557                         | 87527                      | 87657                    | 87627                      |
|                     | 15          | 87558                         | 87528                      | 87658                    | 87628                      |
|                     | 30          | 87559                         | 87529                      | 87659                    | 87629                      |
| 2500                | 10          | 87561                         | 87531                      | 87661                    | 87631                      |
|                     | 15          | 87562                         | 87532                      | 87662                    | 87632                      |
|                     | 30          | 87563                         | 87533                      | 87663                    | 87633                      |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

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Eisbachstraße 51 - 74429 Sulzbach-Laufen  
Germany

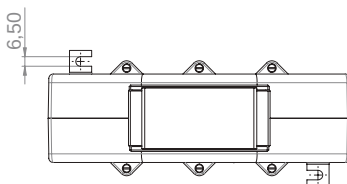
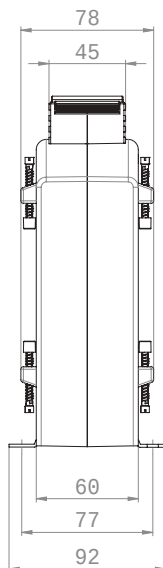
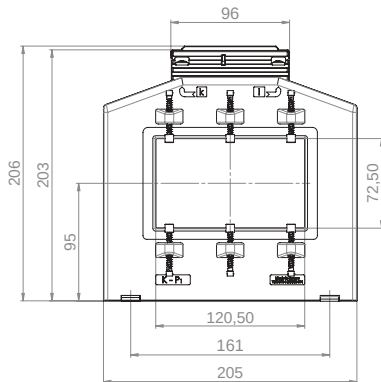
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## ASK 127.6

### Plug-in current transformer



Bus bar 1                    120 x 70 mm  
 Round conductor            70 mm  
 Transformer width         205 mm  
 Height                        203 mm  
 Depth                         78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 1000                | 5           | 87055                         | 87011                      | 87255                    | 87211                      |
|                     | 10          | 87056                         |                            | 87256                    |                            |
| 1200                | 5           | 87057                         | 87013                      | 87257                    | 87213                      |
|                     | 10          | 87058                         | 87014                      | 87258                    | 87214                      |
|                     | 15          | 87059                         |                            | 87259                    |                            |
| 1250                | 5           | 87060                         | 87016                      | 87260                    | 87216                      |
|                     | 10          | 87061                         | 87017                      | 87261                    | 87217                      |
|                     | 15          | 87062                         | 87018                      | 87262                    | 87218                      |
|                     | 30          | 87063                         | 87019                      | 87263                    | 87219                      |
| 1500                | 5           | 87064                         | 87020                      | 87264                    | 87220                      |
|                     | 10          | 87065                         | 87021                      | 87265                    | 87221                      |
|                     | 15          | 87066                         | 87022                      | 87266                    | 87222                      |
| 1800                | 30          | 87067                         | 87023                      | 87267                    | 87223                      |
|                     | 5           | 87068                         | 87024                      | 87268                    | 87224                      |
|                     | 10          | 87069                         | 87025                      | 87269                    | 87225                      |
|                     | 15          | 87070                         | 87026                      | 87270                    | 87226                      |
| 2000                | 30          | 87071                         | 87027                      | 87271                    | 87227                      |
|                     | 10          | 87072                         | 87028                      | 87272                    | 87228                      |
|                     | 15          | 87073                         | 87029                      | 87273                    | 87229                      |
|                     | 30          | 87074                         | 87030                      | 87274                    | 87230                      |
| 2500                | 10          | 87076                         | 87032                      | 87276                    | 87232                      |
|                     | 15          | 87077                         | 87033                      | 87277                    | 87233                      |
|                     | 30          | 87078                         | 87034                      | 87278                    | 87234                      |
|                     | 45          | 87079                         |                            | 87279                    |                            |
| 3000                | 10          | 87081                         | 87036                      | 87281                    | 87236                      |
|                     | 15          | 87082                         | 87037                      | 87282                    | 87237                      |
|                     | 30          | 87083                         | 87038                      | 87283                    | 87238                      |
|                     | 45          | 87084                         |                            | 87284                    |                            |
| 4000                | 10          | 87085                         | 87040                      | 87285                    | 87240                      |
|                     | 15          | 87086                         | 87041                      | 87286                    | 87241                      |
|                     | 30          | 87087                         | 87042                      | 87287                    | 87242                      |
|                     | 45          | 87088                         |                            | 87288                    |                            |
| 5000                | 10          | 87089                         | 87044                      | 87289                    | 87244                      |
|                     | 15          | 87090                         | 87045                      | 87290                    | 87245                      |
|                     | 30          | 87091                         | 87046                      | 87291                    | 87246                      |
|                     | 45          | 87092                         |                            | 87292                    |                            |
| 6000                | 10          | 87093                         | 87048                      | 87293                    | 87248                      |
|                     | 15          | 87094                         | 87049                      | 87294                    | 87249                      |
|                     | 30          | 87095                         | 87050                      | 87295                    | 87250                      |
|                     | 45          | 87096                         |                            | 87296                    |                            |

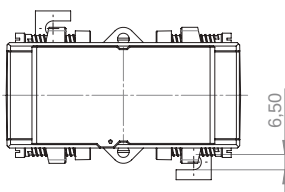
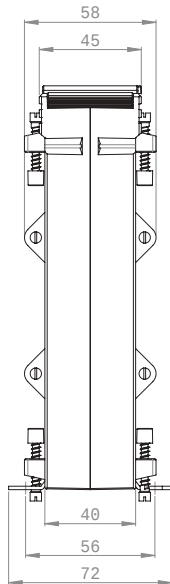
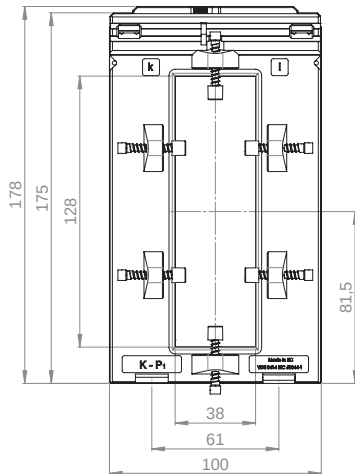
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## ASK 128.4

### Plug-in current transformer



Bus bar 1            128 x 38 mm  
 Round conductor    38 mm  
 Transformer width   100 mm  
 Height                175 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 400                 | 2,5         | 94041                         | 94011                      | 94241                    | 94211                      |
|                     | 5           | 94042                         |                            | 94242                    |                            |
| 500                 | 2,5         | 94043                         | 94013                      | 94243                    | 94213                      |
|                     | 5           | 94044                         |                            | 94244                    |                            |
| 600                 | 2,5         | 94045                         | 94015                      | 94245                    | 94215                      |
|                     | 5           | 94046                         |                            | 94246                    |                            |
| 750                 | 2,5         | 94047                         | 94017                      | 94247                    | 94217                      |
|                     | 5           | 94048                         |                            | 94248                    |                            |
| 800                 | 5           | 94049                         | 94019                      | 94249                    | 94219                      |
|                     | 10          | 94050                         |                            | 94250                    |                            |
| 1000                | 10          | 94051                         | 94021                      | 94251                    | 94221                      |
|                     | 15          | 94052                         |                            | 94252                    |                            |
| 1200                | 10          | 94053                         | 94023                      | 94253                    | 94223                      |
|                     | 15          | 94054                         |                            | 94254                    |                            |
| 1250                | 10          | 94055                         | 94025                      | 94255                    | 94225                      |
|                     | 15          | 94056                         |                            | 94256                    |                            |
| 1500                | 15          | 94057                         | 94027                      | 94257                    | 94227                      |
|                     | 30          | 94058                         |                            | 94258                    |                            |
| 2000                | 15          | 94059                         | 94029                      | 94259                    | 94229                      |
|                     | 30          | 94060                         |                            | 94260                    |                            |
| 2500                | 15          | 94061                         | 94031                      | 94261                    | 94231                      |
|                     | 30          | 94062                         |                            | 94262                    |                            |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

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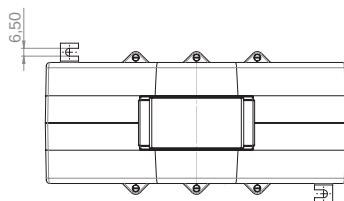
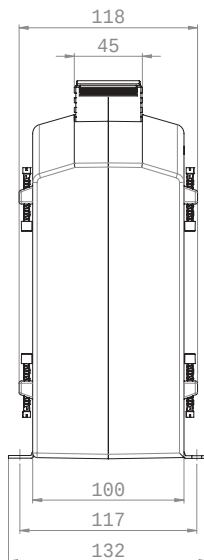
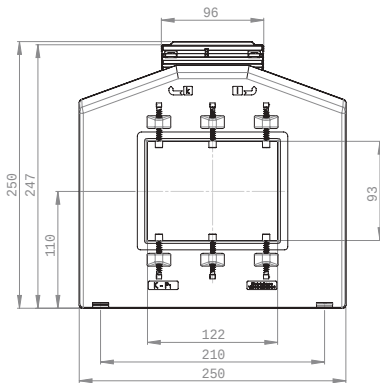


## ASK 129.10

### Plug-in current transformer



Bus bar 1                    120 x 90 mm  
 Round conductor            90 mm  
 Transformer width        250 mm  
 Height                        247 mm  
 Depth                        118 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 1000                | 5           | 88070                         | 88011                      | 88270                    | 88211                      |
|                     | 10          | 88071                         | 88012                      | 88271                    | 88212                      |
|                     | 15          | 88072                         | 88013                      | 88272                    | 88213                      |
| 1200                | 5           | 88073                         | 88014                      | 88273                    | 88214                      |
|                     | 10          | 88074                         | 88015                      | 88274                    | 88215                      |
|                     | 15          | 88075                         |                            | 88275                    |                            |
| 1250                | 5           | 88076                         | 88017                      | 88276                    | 88217                      |
|                     | 10          | 88077                         | 88018                      | 88277                    | 88218                      |
|                     | 15          | 88078                         |                            | 88278                    |                            |
| 1500                | 10          | 88079                         | 88020                      | 88279                    | 88220                      |
|                     | 15          | 88080                         | 88021                      | 88280                    | 88221                      |
|                     | 30          | 88081                         | 88022                      | 88281                    | 88222                      |
| 1600                | 10          | 88082                         | 88023                      | 88282                    | 88223                      |
|                     | 15          | 88083                         | 88024                      | 88283                    | 88224                      |
|                     | 30          | 88084                         | 88025                      | 88284                    | 88225                      |
| 1800                | 10          | 88085                         | 88026                      | 88285                    | 88226                      |
|                     | 15          | 88086                         | 88027                      | 88286                    | 88227                      |
|                     | 30          | 88087                         | 88028                      | 88287                    | 88228                      |
| 2000                | 10          | 88088                         | 88029                      | 88288                    | 88229                      |
|                     | 15          | 88089                         | 88030                      | 88289                    | 88230                      |
|                     | 30          | 88090                         | 88031                      | 88290                    | 88231                      |
| 2500                | 15          | 88091                         | 88032                      | 88291                    | 88232                      |
|                     | 30          | 88092                         | 88033                      | 88292                    | 88233                      |
|                     | 45          | 88093                         |                            | 88293                    |                            |
| 3000                | 15          | 88094                         | 88035                      | 88294                    | 88235                      |
|                     | 30          | 88095                         | 88036                      | 88295                    | 88236                      |
|                     | 45          | 88096                         |                            | 88296                    |                            |
| 4000                | 15          | 88097                         | 88038                      | 88297                    | 88238                      |
|                     | 30          | 88098                         | 88039                      | 88298                    | 88239                      |
|                     | 45          | 88099                         | 88040                      | 88299                    | 88240                      |
| 5000                | 15          | 88100                         | 88041                      | 88300                    | 88241                      |
|                     | 30          | 88101                         | 88042                      | 88301                    | 88242                      |
|                     | 45          | 88102                         | 88043                      | 88302                    | 88243                      |
| 6000                | 15          | 88103                         | 88044                      | 88303                    | 88244                      |
|                     | 30          | 88104                         | 88045                      | 88304                    | 88245                      |
|                     | 45          | 88105                         | 88046                      | 88305                    | 88246                      |
| 7500                | 15          | 88106                         | 88047                      | 88306                    | 88247                      |
|                     | 30          | 88107                         | 88048                      | 88307                    | 88248                      |
|                     | 45          | 88108                         | 88049                      | 88308                    | 88249                      |

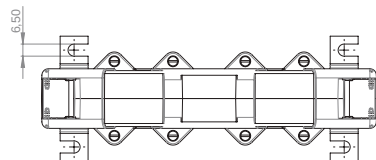
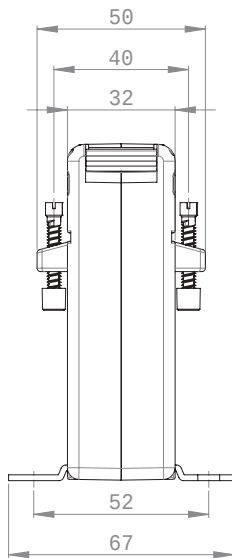
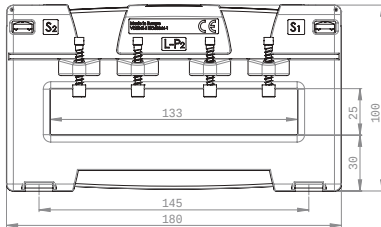
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## ASK 130.3

### Plug-in current transformer



Bus bar 1                    130 x 25 mm  
 Round conductor            25 mm  
 Transformer width        180 mm  
 Height                        100 mm  
 Depth                        50 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 300                 | 2,5         | I50-1900D                     | I50-1901D                  |                             | I50-1910D                | I50-1911D                  |
|                     | 5           | I50-1900F                     | I50-1901F                  |                             | I50-1910F                | I50-1911F                  |
| 400                 | 2,5         | I50-2000D                     | I50-2001D                  |                             | I50-2010D                | I50-2011D                  |
|                     | 5           | I50-2000F                     | I50-2001F                  |                             | I50-2010F                | I50-2011F                  |
|                     | 10          | I50-2000H                     |                            |                             | I50-2010H                |                            |
| 500                 | 2,5         | I50-2100D                     | I50-2101D                  |                             | I50-2110D                | I50-2111D                  |
|                     | 5           | I50-2100F                     | I50-2101F                  |                             | I50-2110F                | I50-2111F                  |
|                     | 10          | I50-2100H                     | I50-2101H                  |                             | I50-2110H                | I50-2111H                  |
| 600                 | 2,5         | I50-2200D                     | I50-2201D                  |                             | I50-2210D                | I50-2211D                  |
|                     | 5           | I50-2200F                     | I50-2201F                  |                             | I50-2210F                | I50-2211F                  |
|                     | 10          | I50-2200H                     | I50-2201H                  |                             | I50-2210H                | I50-2211H                  |
|                     | 15          | I50-2200J                     |                            |                             | I50-2210J                |                            |
| 750                 | 2,5         | I50-2300D                     | I50-2301D                  | V50-2304D                   | I50-2310D                | I50-2311D                  |
|                     | 5           | I50-2300F                     | I50-2301F                  |                             | I50-2310F                | I50-2311F                  |
|                     | 10          | I50-2300H                     | I50-2301H                  |                             | I50-2310H                | I50-2311H                  |
|                     | 15          | I50-2300J                     | I50-2301J                  |                             | I50-2310J                | I50-2311J                  |
| 1000                | 5           | I50-2500F                     | I50-2501F                  | V50-2504F                   | I50-2510F                | I50-2511F                  |
|                     | 10          | I50-2500H                     | I50-2501H                  | V50-2504H                   | I50-2510H                | I50-2511H                  |
|                     | 15          | I50-2500J                     | I50-2501J                  |                             | I50-2510J                | I50-2511J                  |
|                     | 30          | I50-2500L                     |                            |                             | I50-2510L                |                            |
| 1200                | 5           | I50-2600F                     | I50-2601F                  | V50-2604F                   | I50-2610F                | I50-2611F                  |
|                     | 10          | I50-2600H                     | I50-2601H                  | V50-2604H                   | I50-2610H                | I50-2611H                  |
|                     | 15          | I50-2600J                     | I50-2601J                  |                             | I50-2610J                | I50-2611J                  |
|                     | 30          | I50-2600L                     |                            |                             | I50-2610L                |                            |
| 1250                | 5           | I50-2700F                     | I50-2701F                  | V50-2704F                   | I50-2710F                | I50-2711F                  |
|                     | 10          | I50-2700H                     | I50-2701H                  | V50-2704H                   | I50-2710H                | I50-2711H                  |
|                     | 15          | I50-2700J                     | I50-2701J                  | V50-2704J                   | I50-2710J                | I50-2711J                  |
|                     | 30          | I50-2700L                     |                            |                             | I50-2710L                |                            |
| 1500                | 5           | I50-2800F                     | I50-2801F                  | V50-2804F                   | I50-2810F                | I50-2811F                  |
|                     | 10          | I50-2800H                     | I50-2801H                  | V50-2804H                   | I50-2810H                | I50-2811H                  |
|                     | 15          | I50-2800J                     | I50-2801J                  | V50-2804J                   | I50-2810J                | I50-2811J                  |
|                     | 30          | I50-2800L                     | I50-2801L                  |                             | I50-2810L                | I50-2811L                  |
| 1600                | 5           | I50-2900F                     | I50-2901F                  | V50-2904F                   | I50-2910F                | I50-2911F                  |
|                     | 10          | I50-2900H                     | I50-2901H                  | V50-2904H                   | I50-2910H                | I50-2911H                  |
|                     | 15          | I50-2900J                     | I50-2901J                  | V50-2904J                   | I50-2910J                | I50-2911J                  |
|                     | 30          | I50-2900L                     | I50-2901L                  |                             | I50-2910L                | I50-2911L                  |

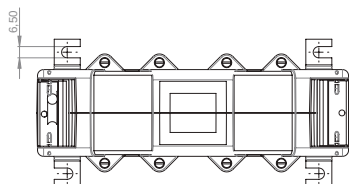
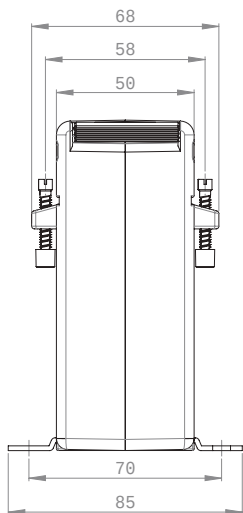
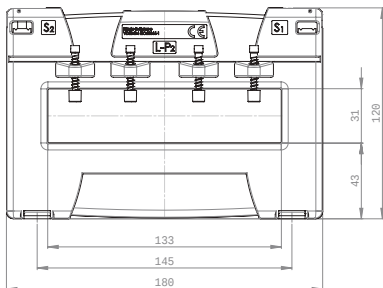
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | -        |
|  | <b>Sealed shutter</b>   | -        |

## ASK 130.5

### Plug-in current transformer



Bus bar 1 130 x 30 mm  
 Round conductor 30 mm  
 Transformer width 180 mm  
 Height 120 mm  
 Depth 68 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                             |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|-----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 300                 | 2,5         | I51-1900D                     | I51-1901D                  |                             | I51-1910D                | I51-1911D                  |
|                     | 5           | I51-1900F                     | I51-1901F                  |                             | I51-1910F                | I51-1911F                  |
|                     | 10          | I51-1900H                     | I51-1901H                  |                             | I51-1910H                | I51-1911H                  |
| 400                 | 2,5         | I51-2000D                     | I51-2001D                  |                             | I51-2010D                | I51-2011D                  |
|                     | 5           | I51-2000F                     | I51-2001F                  |                             | I51-2010F                | I51-2011F                  |
|                     | 10          | I51-2000H                     | I51-2001H                  |                             | I51-2010H                | I51-2011H                  |
| 500                 | 2,5         | I51-2100D                     | I51-2101D                  |                             | I51-2110D                | I51-2111D                  |
|                     | 5           | I51-2100F                     | I51-2101F                  |                             | I51-2110F                | I51-2111F                  |
|                     | 10          | I51-2100H                     | I51-2101H                  |                             | I51-2110H                | I51-2111H                  |
|                     | 15          | I51-2100J                     | I51-2101J                  |                             | I51-2110J                | I51-2111J                  |
| 600                 | 5           | I51-2200F                     | I51-2201F                  |                             | I51-2210F                | I51-2211F                  |
|                     | 10          | I51-2200H                     | I51-2201H                  |                             | I51-2210H                | I51-2211H                  |
|                     | 15          | I51-2200J                     | I51-2201J                  |                             | I51-2210J                | I51-2211J                  |
| 750                 | 5           | I51-2300F                     | I51-2301F                  | V51-2304F                   | I51-2310F                | I51-2311F                  |
|                     | 10          | I51-2300H                     | I51-2301H                  |                             | I51-2310H                | I51-2311H                  |
|                     | 15          | I51-2300J                     | I51-2301J                  |                             | I51-2310J                | I51-2311J                  |
| 1000                | 5           | I51-2500F                     | I51-2501F                  | V51-2504F                   | I51-2510F                | I51-2511F                  |
|                     | 10          | I51-2500H                     | I51-2501H                  | V51-2504H                   | I51-2510H                | I51-2511H                  |
|                     | 15          | I51-2500J                     | I51-2501J                  |                             | I51-2510J                | I51-2511J                  |
|                     | 30          | I51-2500L                     | I51-2501L                  |                             | I51-2510L                | I51-2511L                  |
| 1200                | 5           | I51-2600F                     | I51-2601F                  | V51-2604F                   | I51-2610F                | I51-2611F                  |
|                     | 10          | I51-2600H                     | I51-2601H                  | V51-2604H                   | I51-2610H                | I51-2611H                  |
|                     | 15          | I51-2600J                     | I51-2601J                  | V51-2604J                   | I51-2610J                | I51-2611J                  |
|                     | 30          | I51-2600L                     | I51-2601L                  |                             | I51-2610L                | I51-2611L                  |
| 1250                | 5           | I51-2700F                     | I51-2701F                  | V51-2704F                   | I51-2710F                | I51-2711F                  |
|                     | 10          | I51-2700H                     | I51-2701H                  | V51-2704H                   | I51-2710H                | I51-2711H                  |
|                     | 15          | I51-2700J                     | I51-2701J                  | V51-2704J                   | I51-2710J                | I51-2711J                  |
|                     | 30          | I51-2700L                     | I51-2701L                  |                             | I51-2710L                | I51-2711L                  |
| 1500                | 5           | I51-2800F                     | I51-2801F                  | V51-2804F                   | I51-2810F                | I51-2811F                  |
|                     | 10          | I51-2800H                     | I51-2801H                  | V51-2804H                   | I51-2810H                | I51-2811H                  |
|                     | 15          | I51-2800J                     | I51-2801J                  | V51-2804J                   | I51-2810J                | I51-2811J                  |
|                     | 30          | I51-2800L                     | I51-2801L                  |                             | I51-2810L                | I51-2811L                  |
| 1600                | 5           | I51-2900F                     | I51-2901F                  | V51-2904F                   | I51-2910F                | I51-2911F                  |
|                     | 10          | I51-2900H                     | I51-2901H                  | V51-2904H                   | I51-2910H                | I51-2911H                  |
|                     | 15          | I51-2900J                     | I51-2901J                  | V51-2904J                   | I51-2910J                | I51-2911J                  |
|                     | 30          | I51-2900L                     | I51-2901L                  |                             | I51-2910L                | I51-2911L                  |
| 2000                | 10          | I51-3000H                     | I51-3001H                  | V51-3004H                   | I51-3010H                | I51-3011H                  |
|                     | 15          | I51-3000J                     | I51-3001J                  | V51-3004J                   | I51-3010J                | I51-3011J                  |
|                     | 30          | I51-3000L                     | I51-3001L                  |                             | I51-3010L                | I51-3011L                  |
| 2400                | 10          | I51-3100H                     | I51-3101H                  | V51-3104H                   | I51-3110H                | I51-3111H                  |
|                     | 15          | I51-3100J                     | I51-3101J                  | V51-3104J                   | I51-3110J                | I51-3111J                  |
|                     | 30          | I51-3100L                     | I51-3101L                  |                             | I51-3110L                | I51-3111L                  |
| 2500                | 10          | I51-3200H                     | I51-3201H                  | V51-3204H                   | I51-3210H                | I51-3211H                  |
|                     | 15          | I51-3200J                     | I51-3201J                  | V51-3204J                   | I51-3210J                | I51-3211J                  |
|                     | 30          | I51-3200L                     | I51-3201L                  | V51-3204L                   | I51-3210L                | I51-3211L                  |
| 3000                | 10          | I51-3300H                     | I51-3301H                  | V51-3304H                   | I51-3310H                | I51-3311H                  |
|                     | 15          | I51-3300J                     | I51-3301J                  | V51-3304J                   | I51-3310J                | I51-3311J                  |
|                     | 30          | I51-3300L                     | I51-3301L                  | V51-3304L                   | I51-3310L                | I51-3311L                  |
| 3200                | 10          | I51-3400H                     | I51-3401H                  | V51-3404H                   | I51-3410H                | I51-3411H                  |
|                     | 15          | I51-3400J                     | I51-3401J                  | V51-3404J                   | I51-3410J                | I51-3411J                  |
|                     | 30          | I51-3400L                     | I51-3401L                  | V51-3404L                   | I51-3410L                | I51-3411L                  |

|  | Art.-no.                     |
|--|------------------------------|
|  | <b>Snap-on mounting</b><br>- |
|  | <b>Sealed shutter</b><br>-   |

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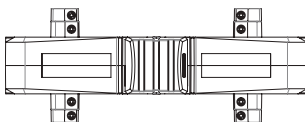
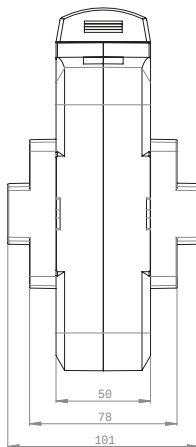
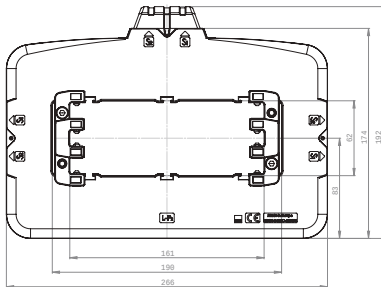
## ASK 165.5

### Plug-in current transformer



Selectable positions of the secondary terminals allow flexible positions of installation.

|                   |                 |
|-------------------|-----------------|
| Bus bar 1         | 190 x 60 mm     |
| Bus bar 2         | 3 x 160 x 10 mm |
| Transformer width | 266 mm          |
| Height            | 192 mm          |
| Depth             | 100 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                            |
|---------------------|-------------|-------------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. |
| 1000                | 5           | 1650006021-x                  | 1650005001-x               | 1650003001-x               |
|                     | 10          | 1650006022-x                  | 1650005002-x               |                            |
|                     | 15          | 1650006001-x                  |                            |                            |
| 1200                | 5           | 1650006023-x                  | 1650005003-x               | 1650003003-x               |
|                     | 10          | 1650006024-x                  | 1650005004-x               | 1650003004-x               |
|                     | 15          | 1650006002-x                  | 1650005022-x               |                            |
| 1250                | 5           | 1650006025-x                  | 1650005023-x               | 1650003005-x               |
|                     | 10          | 1650006026-x                  | 1650005030-x               | 1650003006-x               |
|                     | 15          | 1650006003-x                  | 1650005024-x               |                            |
| 1500                | 10          | 1650006027-x                  | 1650005005-x               | 1650003007-x               |
|                     | 15          | 1650006028-x                  | 1650005006-x               |                            |
|                     | 30          | 1650006004-x                  | 1650005025-x               |                            |
| 1600                | 10          | 1650006029-x                  | 1650005007-x               | 1650003008-x               |
|                     | 15          | 1650006030-x                  | 1650005008-x               |                            |
|                     | 30          | 1650006005-x                  | 1650005026-x               |                            |
| 2000                | 10          | 1650006031-x                  | 1650005009-x               | 1650003009-x               |
|                     | 15          | 1650006032-x                  | 1650005010-x               | 1650003020-x               |
|                     | 30          | 1650006006-x                  | 1650005011-x               |                            |
|                     | 45          | 1650006007-x                  |                            |                            |
| 2500                | 15          | 1650006033-x                  | 1650005027-x               | 1650003010-x               |
|                     | 30          | 1650006034-x                  | 1650005012-x               |                            |
|                     | 60          | 1650006008-x                  |                            |                            |
| 3000                | 15          | 1650006035-x                  | 1650005028-x               | 1650003012-x               |
|                     | 30          | 1650006020-x                  | 1650005013-x               | 1650003013-x               |
|                     | 60          | 1650006009-x                  |                            |                            |
| 4000                | 30          | 1650006036-x                  | 1650005015-x               | 1650003015-x               |
|                     | 40          | 1650006037-x                  |                            |                            |
|                     | 60          | 1650006011-x                  |                            |                            |

|                                                                                     | Art.-no.                             |
|-------------------------------------------------------------------------------------|--------------------------------------|
|  | <b>Clamping claw</b><br><b>59090</b> |

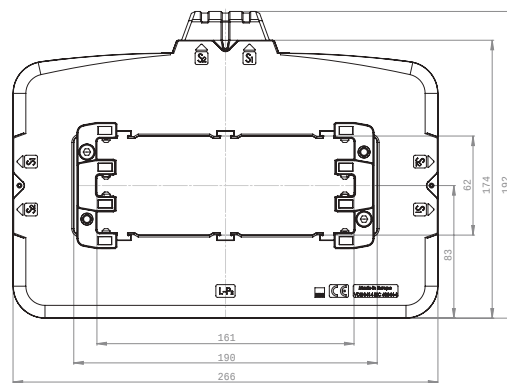
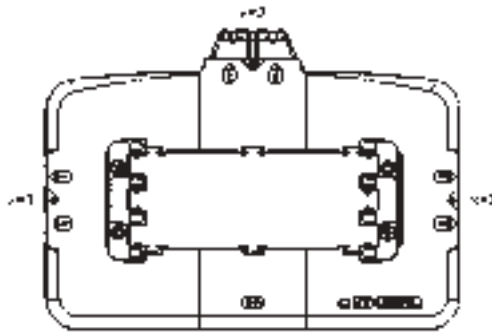
# ASK 165.5

Plug-in current transformer



The secondary terminals of the current transformer type ASK 165.5 can be realized in 3 different positions. Please be so kind and choose with your order.  
The clamping claw can be also delivered if needed. Please also state in your order.

Connection options



## Order example

ASK 165.5 1500/5A 10VA Cl.1  
Connection option „top“  
Art.-no. 1650006027-2

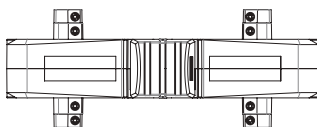
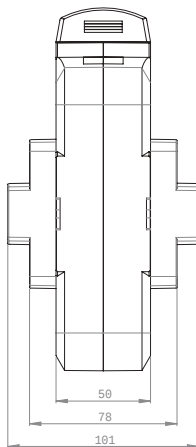
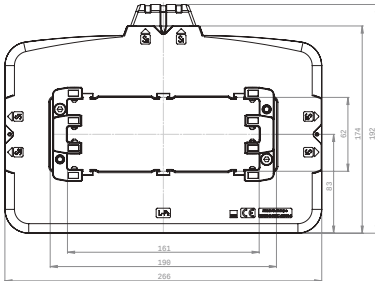
## ASK 165.5

### Plug-in current transformer



Selectable positions of the secondary terminals allow flexible positions of installation.

Bus bar 1 190 x 60 mm  
 Bus bar 2 3 x 160 x 10 mm  
 Transformer width 266 mm  
 Height 192 mm  
 Depth 100 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                            |
|---------------------|-------------|-------------------------------|----------------------------|----------------------------|
|                     |             | 1 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 1000                | 5           | 1650206021-x                  | 1650205001-x               | 1650203001-x               |
|                     | 10          | 1650206022-x                  | 1650205002-x               |                            |
|                     | 15          | 1650206001-x                  |                            |                            |
| 1200                | 5           | 1650206023-x                  | 1650205004-x               | 1650203003-x               |
|                     | 10          | 1650206024-x                  | 1650205005-x               | 1650203004-x               |
|                     | 15          | 1650206002-x                  | 1650205024-x               |                            |
| 1250                | 5           | 1650206025-x                  | 1650205025-x               | 1650203005-x               |
|                     | 10          | 1650206026-x                  | 1650205006-x               | 1650203006-x               |
|                     | 15          | 1650206003-x                  | 1650205026-x               |                            |
| 1500                | 10          | 1650206027-x                  | 1650205007-x               | 1650203007-x               |
|                     | 15          | 1650206028-x                  | 1650205008-x               |                            |
|                     | 30          | 1650206004-x                  | 1650205027-x               |                            |
| 1600                | 10          | 1650206029-x                  | 1650205009-x               | 1650203008-x               |
|                     | 15          | 1650206030-x                  | 1650205010-x               |                            |
|                     | 30          | 1650206005-x                  | 1650205028-x               |                            |
| 2000                | 10          | 1650206031-x                  | 1650205011-x               | 1650203009-x               |
|                     | 15          | 1650206032-x                  | 1650205012-x               | 1650203020-x               |
|                     | 30          | 1650206006-x                  | 1650205013-x               |                            |
|                     | 45          | 1650206007-x                  |                            |                            |
| 2500                | 15          | 1650206033-x                  | 1650205029-x               | 1650203010-x               |
|                     | 30          | 1650206034-x                  | 1650205014-x               |                            |
|                     | 60          | 1650206008-x                  |                            |                            |
| 3000                | 15          | 1650206035-x                  | 1650205030-x               | 1650203011-x               |
|                     | 30          | 1650206036-x                  | 1650205015-x               | 1650203012-x               |
|                     | 60          | 1650206009-x                  |                            |                            |
| 4000                | 30          | 1650206037-x                  | 1650205017-x               | 1650203014-x               |
|                     | 40          | 1650206038-x                  |                            |                            |
|                     | 60          | 1650206011-x                  |                            |                            |

|                                                                                     | Art.-no.                      |
|-------------------------------------------------------------------------------------|-------------------------------|
|  | <b>Clamping claw</b><br>59090 |

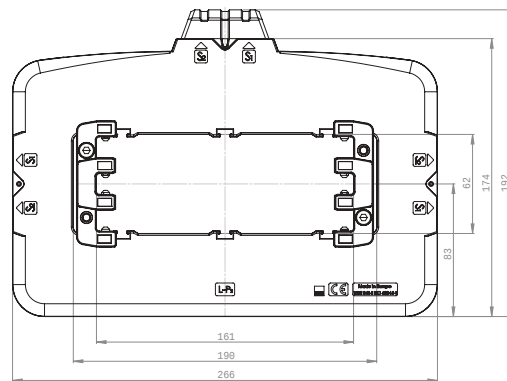
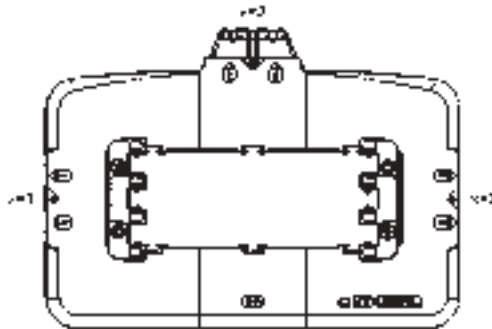
# ASK 165.5

Plug-in current transformer



The secondary terminals of the current transformer type ASK 165.5 can be realized in 3 different positions. Please be so kind and choose with your order.  
The clamping claw can be also delivered if needed. Please also state in your order.

Connection options



## Order example

ASK 165.5 1500/5A 10VA Cl.1  
Connection option „top“  
Art.-no. 1650006027-2

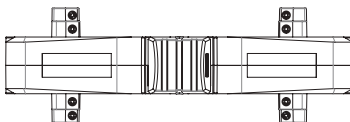
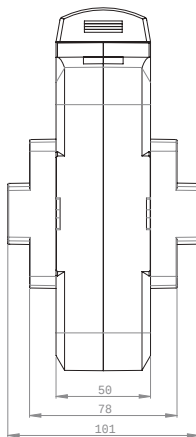
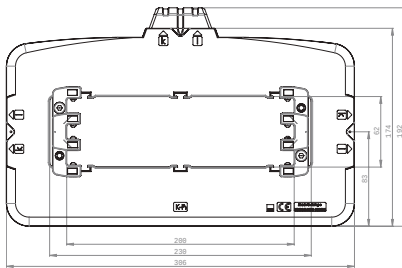
## ASK 205.5

### Plug-in current transformer



Selectable positions of the secondary terminals allow flexible positions of installation.

Bus bar 1 230 x 60 mm  
 Bus bar 2 3 x 200 x 10 mm  
 Transformer width 306 mm  
 Height 192 mm  
 Depth 100 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                            |
|---------------------|-------------|-------------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. |
| 1200                | 5           | 2050006023-x                  | 2050005023-x               | 2050003001-x               |
|                     | 10          | 2050006024-x                  | 2050005001-x               |                            |
|                     | 15          | 2050006001-x                  | 2050005024-x               |                            |
| 1250                | 5           | 2050006025-x                  | 2050005025-x               | 2050003003-x               |
|                     | 10          | 2050006026-x                  | 2050005002-x               | 2050003004-x               |
|                     | 15          | 2050006002-x                  | 2050005026-x               |                            |
| 1500                | 5           | 2050006027-x                  | 2050005027-x               | 2050003005-x               |
|                     | 10          | 2050006028-x                  | 2050005003-x               | 2050003006-x               |
|                     | 15          | 2050006003-x                  | 2050005004-x               | 2050003007-x               |
|                     | 30          | 2050006004-x                  |                            |                            |
| 1600                | 5           | 2050006029-x                  | 2050005028-x               | 2050003008-x               |
|                     | 10          | 2050006030-x                  | 2050005029-x               | 2050003009-x               |
|                     | 15          | 2050006005-x                  | 2050005005-x               | 2050003010-x               |
|                     | 30          | 2050006006-x                  |                            |                            |
| 2000                | 10          | 2050006031-x                  | 2050005030-x               | 2050003011-x               |
|                     | 15          | 2050006032-x                  | 2050005006-x               | 2050003012-x               |
|                     | 30          | 2050006007-x                  | 2050005007-x               |                            |
| 2500                | 10          | 2050006033-x                  | 2050005031-x               | 2050003013-x               |
|                     | 15          | 2050006034-x                  | 2050005008-x               | 2050003014-x               |
|                     | 30          | 2050006035-x                  | 2050005009-x               |                            |
| 3000                | 10          | 2050006036-x                  | 2050005032-x               | 2050003015-x               |
|                     | 15          | 2050006037-x                  | 2050005010-x               | 2050003016-x               |
|                     | 30          | 2050006038-x                  | 2050005011-x               | 2050003017-x               |
|                     | 45          | 2050006009-x                  |                            |                            |
| 4000                | 15          | 2050006039-x                  | 2050005033-x               | 2050003019-x               |
|                     | 30          | 2050006010-x                  | 2050005012-x               | 2050003020-x               |
|                     | 60          | 2050006011-x                  |                            |                            |
| 5000                | 15          | 2050006040-x                  | 2050005034-x               | 2050003021-x               |
|                     | 30          | 2050006013-x                  | 2050005014-x               | 2050003022-x               |
|                     | 60          | 2050006014-x                  |                            |                            |

|                                                                                     | Art.-no.                             |
|-------------------------------------------------------------------------------------|--------------------------------------|
|  | <b>Clamping claw</b><br><b>59090</b> |



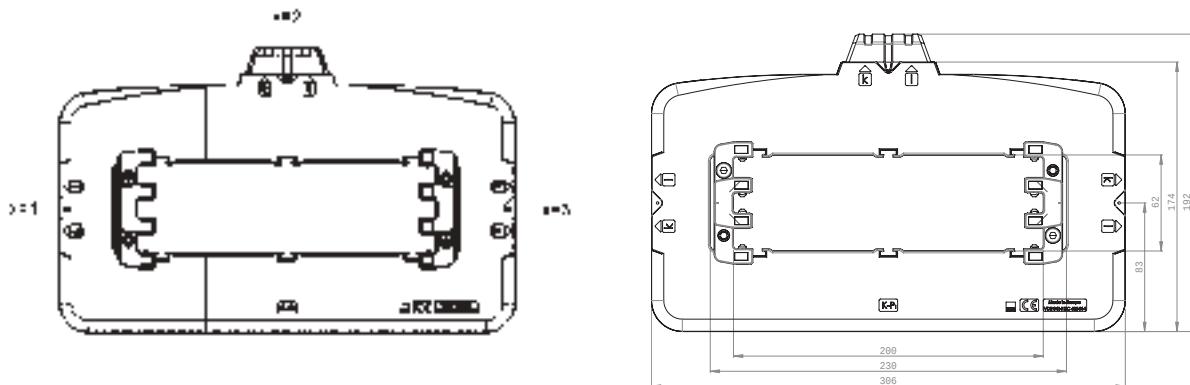
## ASK 205.5

Plug-in current transformer



The secondary terminals of the current transformer type ASK 205.5 can be realized in 3 different positions. Please be so kind and choose with your order.  
The clamping claw can be also delivered if needed. Please also state in your order.

Connection options



### Order example

ASK 205.5 1500/5A 10VA Cl.1  
Connection option „top“  
Art.-no. 2050006028-2

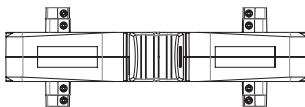
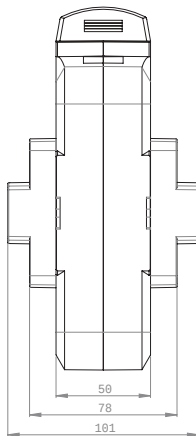
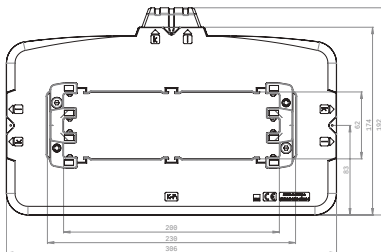
## ASK 205.5

### Plug-in current transformer



Selectable positions of the secondary terminals allow flexible positions of installation.

Bus bar 1 230 x 60 mm  
 Bus bar 2 3 x 200 x 10 mm  
 Transformer width 306 mm  
 Height 192 mm  
 Depth 100 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                            |
|---------------------|-------------|-------------------------------|----------------------------|----------------------------|
|                     |             | 1 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 1200                | 5           | 2050206023-x                  | 2050205023-x               | 2050203001-x               |
|                     | 10          | 2050206024-x                  | 2050205001-x               |                            |
|                     | 15          | 2050206001-x                  | 2050205024-x               |                            |
| 1250                | 5           | 2050206025-x                  | 2050205025-x               | 2050203003-x               |
|                     | 10          | 2050206026-x                  | 2050205002-x               | 2050203004-x               |
|                     | 15          | 2050206002-x                  | 2050205026-x               |                            |
| 1500                | 5           | 2050206027-x                  | 2050205027-x               | 2050203005-x               |
|                     | 10          | 2050206028-x                  | 2050205030-x               | 2050203006-x               |
|                     | 15          | 2050206003-x                  | 2050205004-x               | 2050203007-x               |
|                     | 30          | 2050206004-x                  |                            |                            |
| 1600                | 10          | 2050206029-x                  | 2050205028-x               | 2050203009-x               |
|                     | 15          | 2050206005-x                  | 2050205005-x               | 2050203010-x               |
|                     | 30          | 2050206006-x                  |                            |                            |
| 2000                | 10          | 2050206030-x                  | 2050205029-x               | 2050203011-x               |
|                     | 15          | 2050206031-x                  | 2050205006-x               | 2050203012-x               |
|                     | 30          | 2050206007-x                  | 2050205007-x               |                            |
| 2500                | 10          | 2050206032-x                  | 2050205030-x               | 2050203013-x               |
|                     | 15          | 2050206033-x                  | 2050205008-x               | 2050203014-x               |
|                     | 30          | 2050206034-x                  | 2050205009-x               |                            |
| 3000                | 10          | 2050206035-x                  | 2050205031-x               | 2050203015-x               |
|                     | 15          | 2050206036-x                  | 2050205010-x               | 2050203016-x               |
|                     | 30          | 2050206037-x                  | 2050205011-x               | 2050203017-x               |
|                     | 45          | 2050206009-x                  |                            |                            |
| 4000                | 15          | 2050206038-x                  | 2050205032-x               | 2050203019-x               |
|                     | 30          | 2050206010-x                  | 2050205012-x               | 2050203020-x               |
|                     | 60          | 2050206011-x                  |                            |                            |
| 5000                | 15          | 2050206039-x                  | 2050205033-x               | 2050203021-x               |
|                     | 30          | 2050206013-x                  | 2050205014-x               | 2050203022-x               |
|                     | 60          | 2050206014-x                  |                            |                            |

|                                                                                     | Art.-no.     |
|-------------------------------------------------------------------------------------|--------------|
|  | <b>59090</b> |

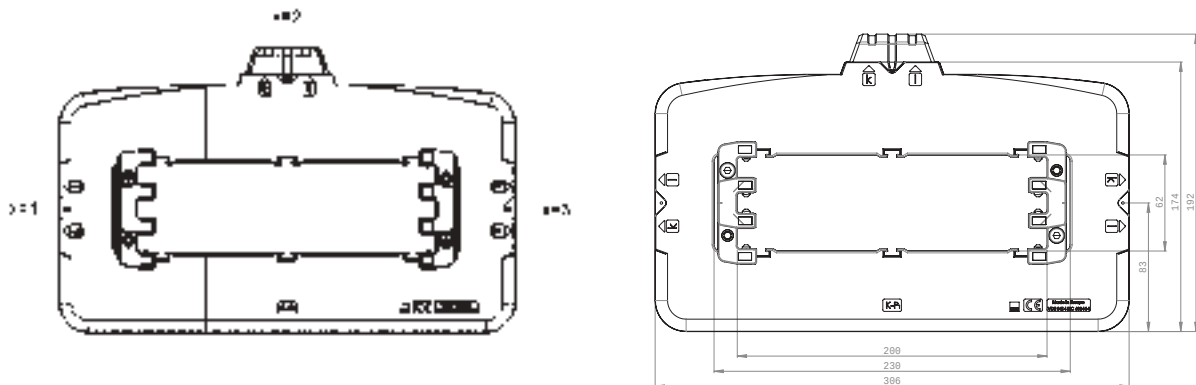
# ASK 205.5

Plug-in current transformer



The secondary terminals of the current transformer type ASK 205.5 can be realized in 3 different positions. Please be so kind and choose with your order.  
The clamping claw can be also delivered if needed. Please also state in your order.

Connection options



## Order example

ASK 205.5 1500/5A 10VA Cl.1  
Connection option „top“  
Art.-no. 2050006028-2

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# Low-voltage current transformers for industrial applications with screwless connection technology

## Plug-in current transformer with „Cage Clamp®“, UL certificated

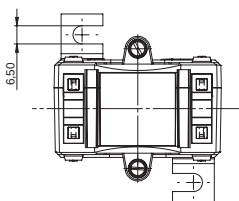
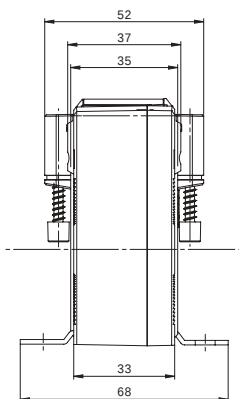
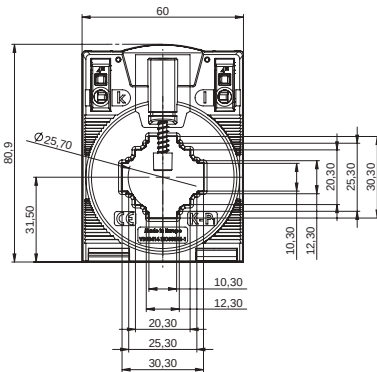
|                   |                                                                                                         |                               |          |
|-------------------|---------------------------------------------------------------------------------------------------------|-------------------------------|----------|
| <b>CTB 31.35</b>  | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 25 x 12 mm<br>Round conductor: 25,7 mm<br>Transformer width: 60 mm  | Current range: 50 ... 750 A   | Page: 90 |
| <b>CTB 41.35</b>  | Bus bar 1: 40 x 10 mm<br>Bus bar 2: 30 x 15 mm<br>Round conductor: 31,8 mm<br>Transformer width: 70 mm  | Current range: 75 ... 1000 A  | Page: 91 |
| <b>CTB 51.35</b>  | Bus bar 1: 50 x 12 mm<br>Bus bar 2: 40 x 30 mm<br>Round conductor: 43,7 mm<br>Transformer width: 85 mm  | Current range: 100 ... 1250 A | Page: 92 |
| <b>CTB 61.35</b>  | Bus bar 1: 63 x 10 mm<br>Bus bar 2: 50 x 30 mm<br>Round conductor: 43,7 mm<br>Transformer width: 95 mm  | Current range: 200 ... 1600 A | Page: 93 |
| <b>CTB 81.35</b>  | Bus bar 1: 80 x 10 mm<br>Bus bar 2: 60 x 30 mm<br>Round conductor: 54,7 mm<br>Transformer width: 120 mm | Current range: 400 ... 2000 A | Page: 94 |
| <b>CTB 101.35</b> | Bus bar 1: 100 x 10 mm<br>Bus bar 2: 80 x 30 mm<br>Round conductor: 70 mm<br>Transformer width: 130 mm  | Current range: 400 ... 2500 A | Page: 95 |

## CTB 31.35

Plug-in current transformer



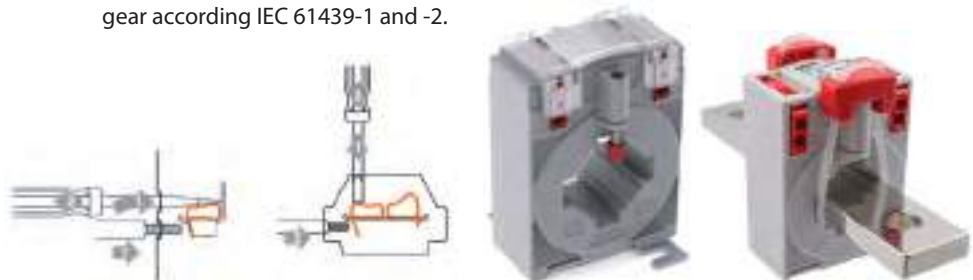
|                   |            |
|-------------------|------------|
| Bus bar 1         | 30 x 10 mm |
| Bus bar 2         | 25 x 12 mm |
| Bus bar 3         | 20 x 20 mm |
| Round conductor   | 25,7 mm    |
| Transformer width | 60 mm      |
| Height            | 80,9 mm    |
| Depth             | 52 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |                            |                          |                          |                            |
|---------------------|-------------|-------------------------------|--------------------------|----------------------------|--------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 3<br>Art.-no.      | 5 A<br>Cl. 1<br>Art.-no. | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 3<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 50                  | 1,25        | 50-0001                       |                          |                            | 50-0021                  |                          |                            |
| 60                  | 1,25        |                               | 50-0017                  |                            |                          | 50-0037                  |                            |
| 75                  | 2,5         |                               | 50-0018                  |                            |                          | 50-0038                  |                            |
| 80                  | 2,5         |                               | 50-0019                  |                            |                          | 50-0039                  |                            |
| 100                 | 2,5         |                               | 50-0002                  |                            |                          | 50-0022                  |                            |
| 125                 | 1,5         |                               |                          | 50-2001                    |                          |                          | 50-2021                    |
|                     | 2,5         |                               | 50-0003                  |                            |                          | 50-0023                  |                            |
| 150                 | 2,5         |                               |                          | 50-2002                    |                          |                          | 50-2022                    |
|                     | 5           |                               | 50-0004                  |                            |                          | 50-0024                  |                            |
| 200                 | 2,5         |                               |                          | 50-2003                    |                          |                          | 50-2023                    |
|                     | 5           |                               | 50-0005                  |                            |                          | 50-0025                  |                            |
| 250                 | 5           |                               | 50-0006                  | 50-2004                    |                          | 50-0026                  | 50-2024                    |
| 300                 | 5           |                               | 50-0007                  | 50-2005                    |                          | 50-0027                  | 50-2025                    |
|                     | 10          |                               | 50-0008                  |                            |                          | 50-0028                  |                            |
| 400                 | 5           |                               | 50-0009                  | 50-2006                    |                          | 50-0029                  | 50-2026                    |
|                     | 10          |                               | 50-0010                  | 50-2007                    |                          | 50-0030                  | 50-2027                    |
| 500                 | 5           |                               | 50-0011                  | 50-2008                    |                          | 50-0031                  | 50-2028                    |
|                     | 10          |                               | 50-0012                  | 50-2009                    |                          | 50-0032                  | 50-2029                    |
| 600                 | 5           |                               | 50-0013                  | 50-2010                    |                          | 50-0033                  | 50-2030                    |
|                     | 10          |                               | 50-0014                  | 50-2011                    |                          | 50-0034                  | 50-2031                    |
| 750                 | 5           |                               | 50-0015                  | 50-2012                    |                          | 50-0035                  | 50-2032                    |
|                     | 10          |                               | 50-0016                  | 50-2013                    |                          | 50-0036                  | 50-2033                    |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting CTB</b>   | <b>55015</b> |
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type G</b> | <b>59057</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“™
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Therm. nominal continuous rated current  $I_{cth}$ :  $1.2 \times I_N$
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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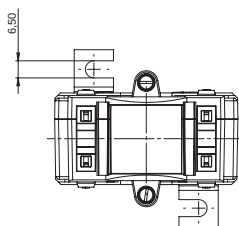
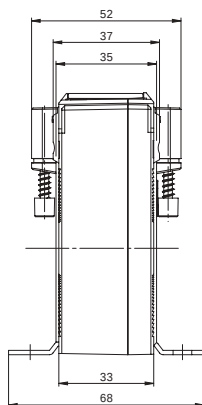
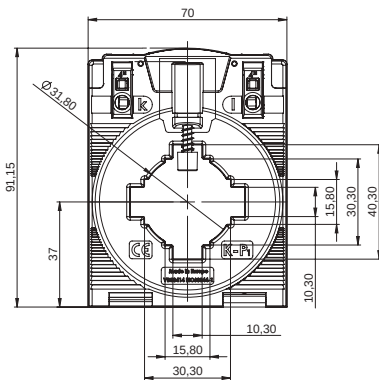
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## CTB 41.35

Plug-in current transformer



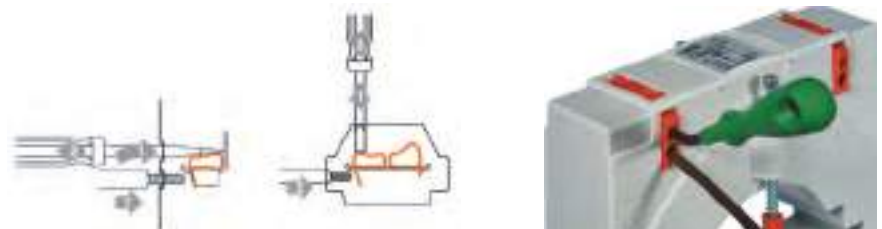
|                   |            |
|-------------------|------------|
| Bus bar 1         | 40 x 10 mm |
| Bus bar 2         | 30 x 15 mm |
| Round conductor   | 31,8 mm    |
| Transformer width | 70 mm      |
| Height            | 91,15 mm   |
| Depth             | 52 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                    |                      |                    |                    |                      |
|---------------------|-------------|-------------------------------|--------------------|----------------------|--------------------|--------------------|----------------------|
|                     |             | 5 A Cl. 3 Art.-no.            | 5 A Cl. 1 Art.-no. | 5 A Cl. 0,5 Art.-no. | 1 A Cl. 3 Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 75                  | 1,25        | 50-0050                       |                    |                      | 50-0070            |                    |                      |
| 80                  | 1,25        | 50-0051                       |                    |                      | 50-0071            |                    |                      |
| 100                 | 2,5         | 50-0052                       |                    |                      | 50-0072            |                    |                      |
| 125                 | 2,5         |                               | 50-0053            |                      |                    | 50-0073            |                      |
| 150                 | 2,5         |                               | 50-0054            |                      |                    | 50-0074            |                      |
| 200                 | 1,5         |                               |                    | 50-2050              |                    |                    | 50-2070              |
|                     | 5           |                               | 50-0055            |                      |                    | 50-0075            |                      |
| 250                 | 2,5         |                               |                    | 50-2051              |                    |                    | 50-2071              |
|                     | 5           |                               | 50-0056            |                      |                    | 50-0076            |                      |
| 300                 | 2,5         |                               |                    | 50-2052              |                    |                    |                      |
|                     | 5           |                               | 50-0057            |                      |                    | 50-0077            | 50-2072              |
| 400                 | 5           |                               | 50-0058            | 50-2053              |                    | 50-0078            | 50-2073              |
| 500                 | 5           |                               | 50-0059            | 50-2054              |                    | 50-0079            | 50-2074              |
|                     | 10          |                               | 50-0060            |                      |                    | 50-0080            | 50-2075              |
| 600                 | 5           |                               | 50-0061            | 50-2055              |                    | 50-0081            | 50-2076              |
|                     | 10          |                               | 50-0062            | 50-2056              |                    | 50-0082            | 50-2077              |
| 750                 | 5           |                               | 50-0063            | 50-2057              |                    | 50-0083            | 50-2078              |
|                     | 10          |                               | 50-0064            | 50-2058              |                    | 50-0084            |                      |
| 800                 | 5           |                               | 50-0065            | 50-2059              |                    | 50-0085            | 50-2079              |
|                     | 10          |                               | 50-0066            | 50-2060              |                    | 50-0086            | 50-2080              |
| 1000                | 5           |                               | 50-0067            | 50-2061              |                    | 50-0087            | 50-2081              |
|                     | 10          |                               | 50-0068            | 50-2062              |                    | 50-0088            | 50-2082              |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting CTB</b>   | <b>55015</b> |
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type G</b> | <b>59057</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Therm. nominal continuous rated current  $I_{cth}$ :  $1.2 \times I_N$
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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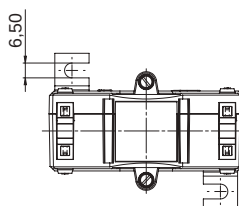
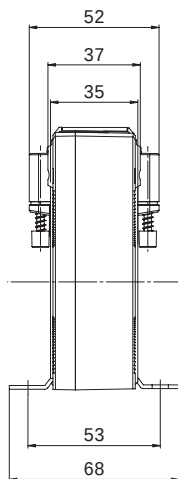
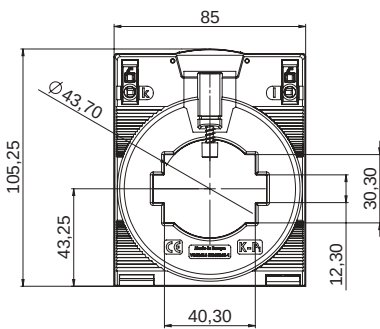
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E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## CTB 51.35

Plug-in current transformer



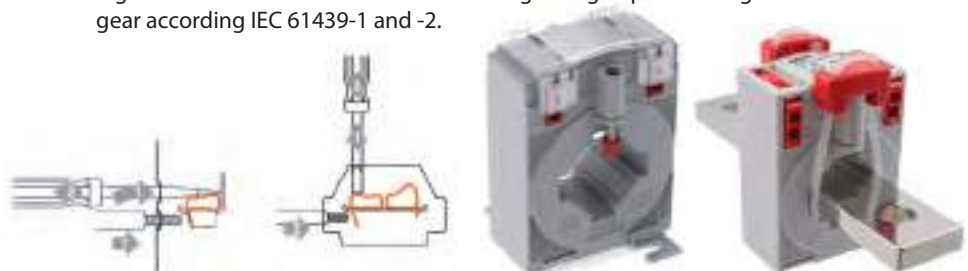
Bus bar 1            50 x 12 mm  
 Bus bar 2            40 x 30 mm  
 Round conductor    43,7 mm  
 Transformer width   85 mm  
 Height                105,25 mm  
 Depth                 52 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 100                 | 1,25        | 50-0100                       |                            | 50-0120                  |                            |
| 125                 | 2,5         | 50-0101                       |                            | 50-0121                  |                            |
| 150                 | 2,5         | 50-0102                       |                            | 50-0122                  |                            |
| 200                 | 1,5         |                               | 50-2100                    |                          | 50-2120                    |
|                     | 5           | 50-0103                       |                            | 50-0123                  |                            |
| 250                 | 2,5         |                               | 50-2101                    |                          | 50-2121                    |
|                     | 5           | 50-0104                       |                            | 50-0124                  |                            |
| 300                 | 2,5         |                               | 50-2102                    |                          | 50-2122                    |
|                     | 5           | 50-0105                       |                            | 50-0125                  |                            |
| 400                 | 5           | 50-0106                       | 50-2103                    | 50-0126                  | 50-2123                    |
|                     | 10          | 50-0107                       |                            | 50-0127                  |                            |
| 500                 | 5           | 50-0108                       | 50-2104                    | 50-0128                  | 50-2124                    |
|                     | 10          | 50-0109                       | 50-2105                    | 50-0129                  | 50-2125                    |
| 600                 | 5           | 50-0110                       | 50-2106                    | 50-0130                  | 50-2126                    |
|                     | 10          | 50-0111                       | 50-2107                    | 50-0131                  | 50-2127                    |
| 750                 | 5           | 50-0112                       | 50-2108                    | 50-0132                  | 50-2128                    |
|                     | 10          | 50-0113                       | 50-2109                    | 50-0133                  | 50-2129                    |
| 800                 | 5           | 50-0114                       | 50-2110                    | 50-0134                  | 50-2130                    |
|                     | 10          | 50-0115                       | 50-2111                    | 50-0135                  | 50-2131                    |
| 1000                | 5           | 50-0116                       | 50-2112                    | 50-0136                  | 50-2132                    |
|                     | 10          | 50-0117                       | 50-2113                    | 50-0137                  | 50-2133                    |
| 1200                | 5           | 50-0291                       | 50-2114                    | 50-0293                  | 50-2134                    |
|                     | 10          | 50-0292                       | 50-2115                    | 50-0294                  | 50-2140                    |
| 1250                | 5           | 50-0118                       | 50-2116                    | 50-0138                  | 50-2136                    |
|                     | 10          | 50-0119                       | 50-2117                    | 50-0139                  | 50-2137                    |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type H</b> | <b>59058</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Therm. nominal continuous rated current  $I_{cth}: 1.2 \times I_N$
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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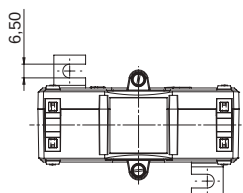
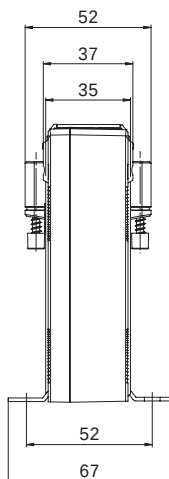
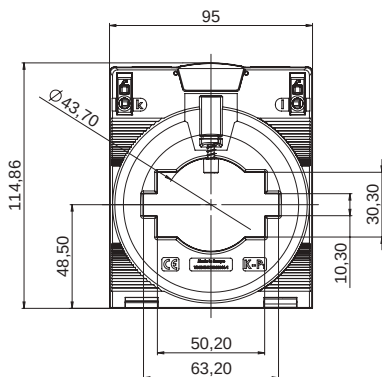


## CTB 61.35

Plug-in current transformer



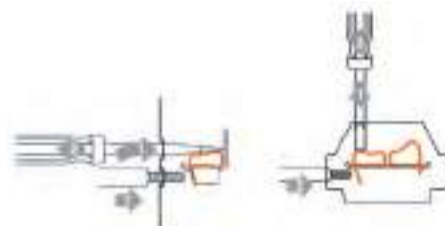
|                   |            |
|-------------------|------------|
| Bus bar 1         | 63 x 10 mm |
| Bus bar 2         | 50 x 30 mm |
| Round conductor   | 43,7 mm    |
| Transformer width | 95 mm      |
| Height            | 114,86 mm  |
| Depth             | 52 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 200                 | 2,5         | 50-0150                       | 50-2150                    | 50-0170                  | 50-2170                    |
| 250                 | 2,5         |                               | 50-2151                    |                          | 50-2171                    |
|                     | 5           | 50-0151                       |                            | 50-0171                  |                            |
| 300                 | 5           | 50-0152                       | 50-2152                    | 50-0172                  | 50-2172                    |
| 400                 | 5           | 50-0153                       | 50-2153                    | 50-0173                  | 50-2173                    |
| 500                 | 5           | 50-0154                       | 50-2154                    | 50-0174                  | 50-2174                    |
| 600                 | 5           | 50-0155                       | 50-2155                    | 50-0175                  | 50-2175                    |
| 750                 | 5           | 50-0156                       | 50-2156                    | 50-0176                  | 50-2176                    |
|                     | 10          | 50-0157                       | 50-2157                    | 50-0177                  | 50-2177                    |
| 800                 | 5           | 50-0158                       | 50-2158                    | 50-0178                  | 50-2178                    |
|                     | 10          | 50-0159                       | 50-2159                    | 50-0179                  | 50-2179                    |
| 1000                | 5           | 50-0160                       | 50-2160                    | 50-0180                  | 50-2180                    |
|                     | 10          | 50-0161                       | 50-2161                    | 50-0181                  | 50-2181                    |
| 1200                | 5           | 50-0287                       | 50-2162                    | 50-0289                  | 50-2182                    |
|                     | 10          | 50-0288                       | 50-2163                    | 50-0290                  | 50-2183                    |
| 1250                | 5           | 50-0162                       | 50-2164                    | 50-0182                  | 50-2184                    |
|                     | 10          | 50-0163                       | 50-2165                    | 50-0183                  | 50-2185                    |
| 1500                | 5           | 50-0164                       | 50-2166                    | 50-0184                  | 50-2186                    |
|                     | 10          | 50-0165                       | 50-2167                    | 50-0185                  | 50-2187                    |
| 1600                | 5           | 50-0166                       | 50-2168                    | 50-0186                  | 50-2188                    |
|                     | 10          | 50-0167                       | 50-2169                    | 50-0187                  | 50-2189                    |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type J</b> | <b>59059</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Therm. nominal continuous rated current  $I_{ctn}$ :  $1.2 \times I_N$
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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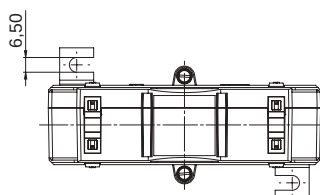
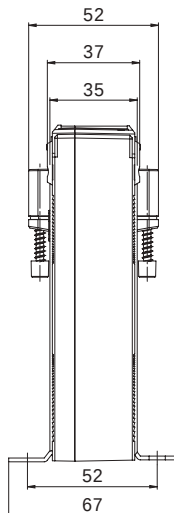
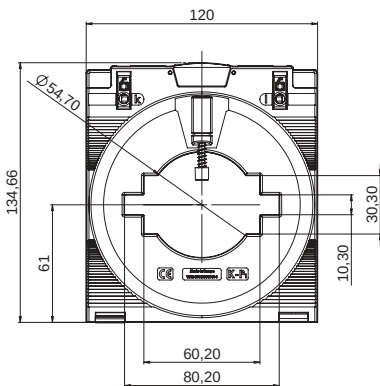
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## CTB 81.35

Plug-in current transformer



|                   |            |
|-------------------|------------|
| Bus bar 1         | 80 x 10 mm |
| Bus bar 2         | 60 x 30 mm |
| Round conductor   | 54,7 mm    |
| Transformer width | 120 mm     |
| Height            | 134,66 mm  |
| Depth             | 52 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 400                 | 2,5         |                               | 50-2190                    |                          | 50-2210                    |
|                     | 5           | 50-0190                       |                            | 50-0210                  |                            |
| 500                 | 2,5         |                               | 50-2191                    |                          |                            |
|                     | 5           | 50-0191                       |                            | 50-0211                  | 50-2211                    |
| 600                 | 5           | 50-0192                       | 50-2192                    | 50-0212                  | 50-2212                    |
| 750                 | 5           | 50-0193                       | 50-2193                    | 50-0213                  | 50-2213                    |
|                     | 10          | 50-0194                       | 50-2194                    | 50-0214                  | 50-2214                    |
| 800                 | 5           | 50-0195                       | 50-2195                    | 50-0215                  | 50-2215                    |
|                     | 10          | 50-0196                       | 50-2196                    | 50-0216                  | 50-2216                    |
| 1000                | 5           | 50-0197                       | 50-2197                    | 50-0217                  | 50-2217                    |
|                     | 10          | 50-0198                       | 50-2198                    | 50-0218                  | 50-2218                    |
| 1200                | 5           | 50-0283                       | 50-2199                    | 50-0285                  | 50-2219                    |
|                     | 10          | 50-0284                       | 50-2200                    | 50-0286                  | 50-2220                    |
| 1250                | 5           | 50-0199                       | 50-2201                    | 50-0219                  | 50-2221                    |
|                     | 10          | 50-0200                       | 50-2202                    | 50-0220                  | 50-2222                    |
| 1500                | 5           | 50-0201                       | 50-2203                    | 50-0221                  | 50-2223                    |
|                     | 10          | 50-0202                       | 50-2204                    | 50-0222                  | 50-2224                    |
| 1600                | 5           | 50-0203                       | 50-2205                    | 50-0223                  | 50-2225                    |
|                     | 10          | 50-0204                       | 50-2206                    | 50-0224                  | 50-2226                    |
| 2000                | 10          | 50-0205                       | 50-2207                    | 50-0225                  | 50-2227                    |
|                     | 15          | 50-0206                       | 50-2208                    | 50-0226                  | 50-2228                    |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type J</b> | <b>59059</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Therm. nominal continuous rated current  $I_{ctn}$ :  $1.2 \times I_N$
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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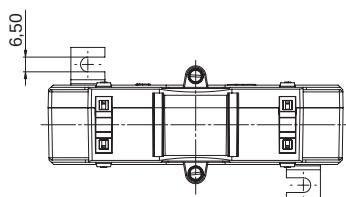
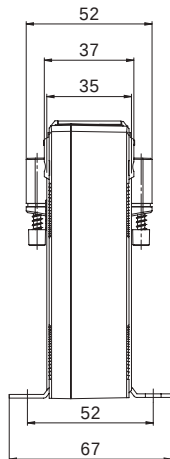
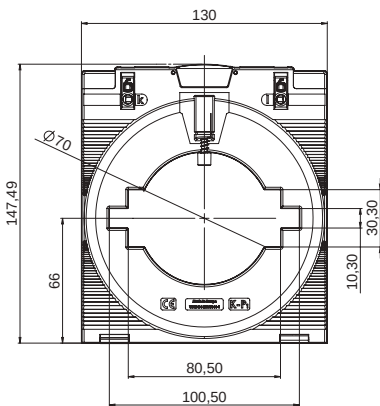
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## CTB 101.35

Plug-in current transformer



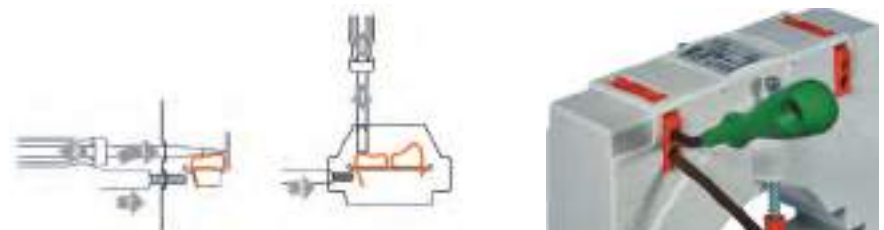
|                   |             |
|-------------------|-------------|
| Bus bar 1         | 100 x 10 mm |
| Bus bar 2         | 80 x 30 mm  |
| Round conductor   | 70 mm       |
| Transformer width | 130 mm      |
| Height            | 147,49 mm   |
| Depth             | 52 mm       |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 400                 | 2,5         |                               | 50-2230                    |                          | 50-2260                    |
|                     | 5           | 50-0230                       |                            | 50-0260                  |                            |
| 500                 | 5           | 50-0231                       | 50-2231                    | 50-0261                  | 50-2261                    |
|                     | 10          |                               | 50-2232                    |                          | 50-2262                    |
| 600                 | 5           |                               |                            | 50-0262                  |                            |
|                     | 10          | 50-0232                       |                            |                          |                            |
| 750                 | 5           | 50-0233                       | 50-2233                    | 50-0263                  | 50-2263                    |
|                     | 10          | 50-0234                       | 50-2234                    | 50-0264                  | 50-2264                    |
| 800                 | 5           | 50-0235                       | 50-2235                    | 50-0265                  | 50-2265                    |
|                     | 10          | 50-0236                       | 50-2236                    | 50-0266                  | 50-2266                    |
| 1000                | 5           | 50-0237                       | 50-2237                    | 50-0267                  | 50-2267                    |
|                     | 10          | 50-0238                       | 50-2238                    | 50-0268                  | 50-2268                    |
| 1200                | 5           | 50-0279                       | 50-2239                    | 50-0281                  | 50-2269                    |
|                     | 10          | 50-0280                       | 50-2240                    | 50-0282                  | 50-2270                    |
| 1250                | 5           | 50-0239                       | 50-2241                    | 50-0269                  | 50-2271                    |
|                     | 10          | 50-0240                       | 50-2242                    | 50-0270                  | 50-2272                    |
| 1500                | 10          | 50-0241                       | 50-2243                    | 50-0271                  | 50-2273                    |
|                     | 15          | 50-0242                       | 50-2244                    | 50-0272                  | 50-2274                    |
| 1600                | 10          | 50-0243                       | 50-2245                    | 50-0273                  | 50-2275                    |
|                     | 15          | 50-0244                       | 50-2246                    | 50-0274                  | 50-2276                    |
| 2000                | 10          | 50-0245                       | 50-2247                    | 50-0275                  | 50-2277                    |
|                     | 15          | 50-0246                       | 50-2248                    | 50-0276                  | 50-2278                    |
| 2500                | 10          | 50-0247                       | 50-2249                    | 50-0277                  | 50-2279                    |
|                     | 15          | 50-0248                       | 50-2250                    | 50-0278                  | 50-2280                    |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type J</b> | <b>59059</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Therm. nominal continuous rated current  $I_{cth}$ :  $1.2 \times I_N$
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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## **Low-voltage current transformers for industrial applications**

### **Wound current transformer**

|                  |                                                       |           |
|------------------|-------------------------------------------------------|-----------|
| <b>WSK 30</b>    | Transformer width: 61 mm Current range: 1 ... 20 A    | Page: 98  |
| <b>WSK 40</b>    | Transformer width: 71 mm Current range: 1 ... 30 A    | Page: 99  |
| <b>WSK 40N</b>   | Transformer width: 71 mm Current range: 30 ... 50 A   | Page: 100 |
| <b>WSK 60</b>    | Transformer width: 71 mm Current range: 5 ... 30 A    | Page: 101 |
| <b>WSK 70.6N</b> | Transformer width: 136 mm Current range: 25 ... 100 A | Page: 102 |
| <b>WSK 31.5</b>  | Transformer width: 115 mm Current range: 25 ... 150 A | Page: 103 |

## Wound current transformers

Based on the physical operating principle of current transformers, the required core volume transferring an amount of power, increases rapidly with a decreasing nominal current. As there are limits on increasing the transformer size, wound current transformers are being used.

Interim current transformers also belong to the group of wound current transformers. This construction is mainly used for primary currents of up to 10 A, and achieves a transformation at a higher or lower secondary current values. In addition to their application in adapting a measuring circuit on existing measuring units, interim current transformers are being used also for lowering the power loss by the transmission of analogically measured values over great distances. This is made possible by means of a squared dependence of the power loss from the flowing current.

$$P_v [W] = I_s^2 \times R_L$$

Specified therein:  $P_v$  Power loss in Watt  
 $I_s$  Secondary nominal current of the current transformer in ampere  
 $R_L$  Lead resistance of the secondary connection cables in Ohm  
(Important: Lead resistance of the flow- and return conductor!)

This means when the original nominal current is halved, the conductor loss drops down to 25 % of its original value.

Indication: The selection of the nominal power of the initially activated main transformer is achieved through the application of the following measurement comparisons.

$$P_{GH} [VA] = P_z \times \left( \frac{I_2}{I_1} \right)^2 + P_E + P_E$$

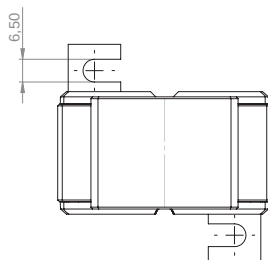
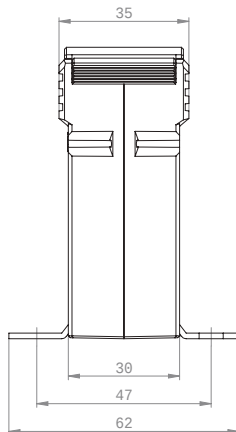
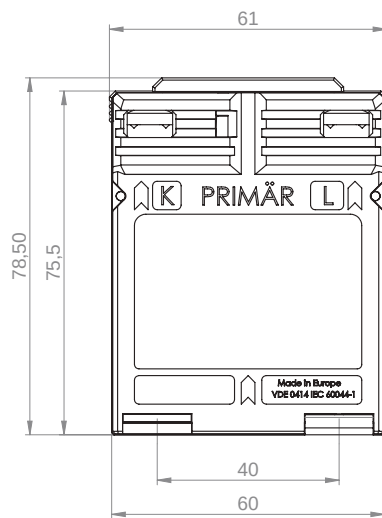
Legende:  $P_{GH}$  Apparent power of the main transformer  
 $P_z$  Secondary performance of the interim transformer  
(nominal performance inclusive of conductor losses)  
 $P_E$  Consumption of the interim transformer by nominal current  
(typical: approx. 3 VA)  
 $P_{HZ}$  Conductor losses between main- and interim transformer by nominal current  
 $I_1$  Primary nominal current of the interim transformer  
 $I_2$  Secondary nominal current of the interim transformer

## WSK 30

### Wound current transformer



Transformer width 61 mm  
Height 75,5 mm  
Depth 35 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 1                   | 2,5         | 30017                         | 30011                      | 30217                    | 30211                      |
|                     | 5           | 30018                         |                            | 30218                    |                            |
| 2,5                 | 2,5         | 30019                         | 30012                      | 30219                    | 30212                      |
|                     | 5           | 30020                         |                            | 30220                    |                            |
| 5                   | 2,5         | 30021                         | 30013                      | 30221                    | 30213                      |
|                     | 5           | 30022                         |                            | 30222                    |                            |
| 10                  | 2,5         | 30023                         | 30014                      | 30223                    | 30214                      |
|                     | 5           | 30024                         |                            | 30224                    |                            |
| 15                  | 2,5         | 30025                         | 30015                      | 30225                    | 30215                      |
|                     | 5           | 30026                         |                            | 30226                    |                            |
| 20                  | 2,5         | 30027                         | 30016                      | 30227                    | 30216                      |
|                     | 5           | 30028                         |                            | 30228                    |                            |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |

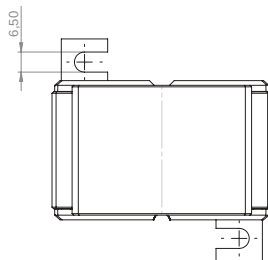
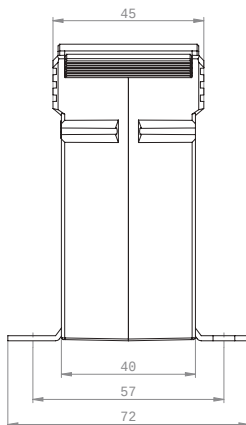
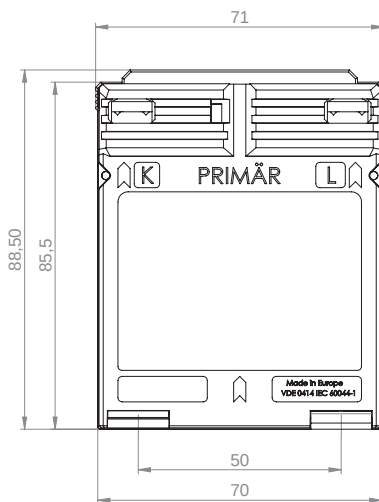
Cross section of primary side: max 4 mm<sup>2</sup> with ferrule, 6 mm<sup>2</sup> solid

## WSK 40

### Wound current transformer



Transformer width 71 mm  
Height 85,5 mm  
Depth 45 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 1                   | 2,5         | 31044                         | 31011                      | 31244                    | 31211                      |
|                     | 5           | 31045                         | 31012                      | 31245                    | 31212                      |
|                     | 10          | 31046                         | 31013                      | 31246                    | 31213                      |
| 2,5                 | 2,5         | 31048                         | 31015                      | 31248                    | 31215                      |
|                     | 5           | 31049                         | 31016                      | 31249                    | 31216                      |
|                     | 10          | 31050                         | 31017                      | 31250                    | 31217                      |
| 5                   | 2,5         | 31052                         | 31019                      | 31252                    | 31219                      |
|                     | 5           | 31053                         | 31020                      | 31253                    | 31220                      |
|                     | 10          | 31054                         | 31021                      | 31254                    | 31221                      |
| 10                  | 2,5         | 31056                         | 31023                      | 31256                    | 31223                      |
|                     | 5           | 31057                         | 31024                      | 31257                    | 31224                      |
|                     | 10          | 31058                         | 31025                      | 31258                    | 31225                      |
| 15                  | 2,5         | 31060                         | 31027                      | 31260                    | 31227                      |
|                     | 5           | 31061                         | 31028                      | 31261                    | 31228                      |
|                     | 10          | 31062                         | 31029                      | 31262                    | 31229                      |
| 20                  | 2,5         | 31064                         | 31031                      | 31264                    | 31231                      |
|                     | 5           | 31065                         | 31032                      | 31265                    | 31232                      |
|                     | 10          | 31066                         | 31033                      | 31266                    | 31233                      |
| 25                  | 2,5         | 31068                         | 31035                      | 31268                    | 31235                      |
|                     | 5           | 31069                         | 31036                      | 31269                    | 31236                      |
|                     | 10          | 31070                         | 31037                      | 31270                    | 31237                      |
| 30                  | 2,5         | 31072                         | 31039                      | 31272                    | 31239                      |
|                     | 5           | 31073                         | 31040                      | 31273                    | 31240                      |
|                     | 10          | 31074                         | 31041                      | 31274                    | 31241                      |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type D</b> | <b>55012</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

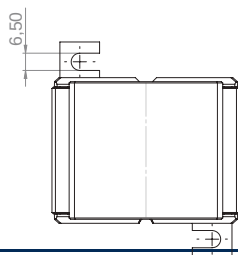
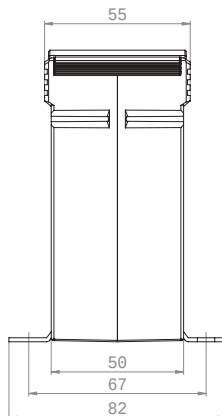
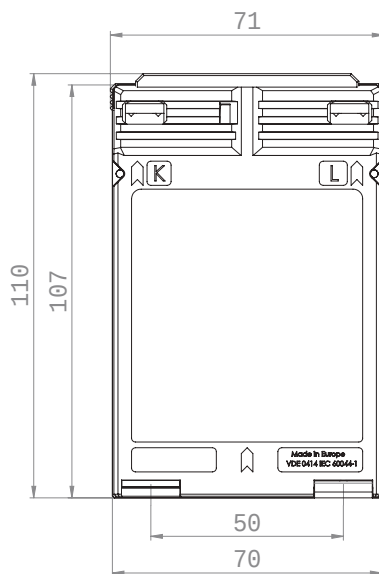
Cross section of primary side: max 4 mm<sup>2</sup> with ferrule, 6 mm<sup>2</sup> solid,  
max. 8 mm<sup>2</sup> with cable lugs

## WSK 40N

Wound current transformer



Transformer width 71 mm  
Height 107 mm  
Depth 55 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 30                  | 2,5         | 31161                         | 31151                      | 31361                    | 31351                      |
|                     | 5           | 31162                         | 31152                      | 31362                    | 31352                      |
|                     | 10          | 31163                         | 31153                      | 31363                    | 31353                      |
| 40                  | 2,5         | 31164                         | 31154                      | 31364                    | 31354                      |
|                     | 5           | 31165                         | 31155                      | 31365                    | 31355                      |
|                     | 10          | 31166                         | 31156                      | 31366                    | 31356                      |
| 50                  | 2,5         | 31167                         | 31157                      | 31367                    | 31357                      |
|                     | 5           | 31168                         | 31158                      | 31368                    | 31358                      |
|                     | 10          | 31169                         | 31159                      | 31369                    | 31359                      |

|                                                                                   |                                 | Art.-no.     |
|-----------------------------------------------------------------------------------|---------------------------------|--------------|
|  | <b>Snap-on mounting, type C</b> | <b>55011</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

Cross section of primary side: max 10 mm<sup>2</sup> with cable lugs

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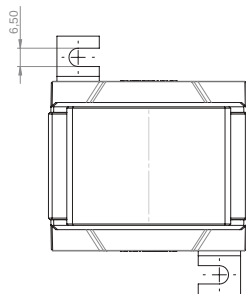
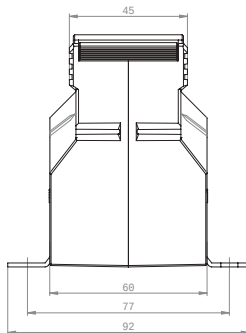
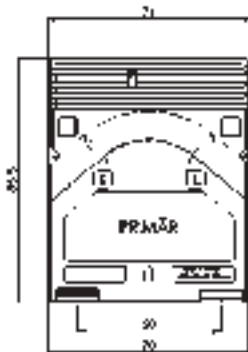


## WSK 60

### Wound current transformer



Transformer width 71 mm  
Height 88,5 mm  
Depth 60 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 5                   | 2,5         | 35041                         | 35011                      | 35241                    | 35211                      |
|                     | 5           | 35042                         | 35012                      | 35242                    | 35212                      |
|                     | 10          | 35043                         | 35013                      | 35243                    | 35213                      |
|                     | 15          | 35044                         |                            | 35244                    |                            |
| 10                  | 2,5         | 35045                         | 35014                      | 35245                    | 35214                      |
|                     | 5           | 35046                         | 35015                      | 35246                    | 35215                      |
|                     | 10          | 35047                         | 35016                      | 35247                    | 35216                      |
|                     | 15          | 35048                         |                            | 35248                    |                            |
| 15                  | 2,5         | 35049                         | 35017                      | 35249                    | 35217                      |
|                     | 5           | 35050                         | 35018                      | 35250                    | 35218                      |
|                     | 10          | 35051                         | 35019                      | 35251                    | 35219                      |
|                     | 15          | 35052                         |                            | 35252                    |                            |
| 20                  | 2,5         | 35053                         | 35020                      | 35253                    | 35220                      |
|                     | 5           | 35054                         | 35021                      | 35254                    | 35221                      |
|                     | 10          | 35055                         | 35022                      | 35255                    | 35222                      |
|                     | 15          | 35056                         |                            | 35256                    |                            |
| 25                  | 2,5         | 35057                         | 35023                      | 35257                    | 35223                      |
|                     | 5           | 35058                         | 35024                      | 35258                    | 35224                      |
|                     | 10          | 35059                         | 35025                      | 35259                    | 35225                      |
|                     | 15          | 35060                         |                            | 35260                    |                            |
| 30                  | 2,5         | 35061                         | 35026                      | 35261                    | 35226                      |
|                     | 5           | 35062                         | 35027                      | 35262                    | 35227                      |
|                     | 10          | 35063                         | 35028                      | 35263                    | 35228                      |
|                     | 15          | 35064                         |                            | 35264                    |                            |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type B</b> | <b>59041</b> |

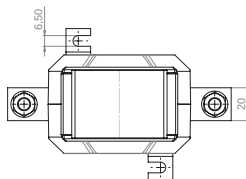
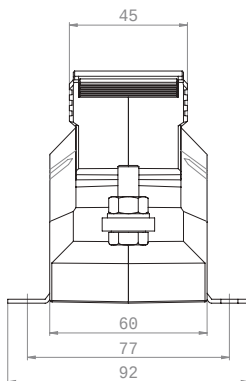
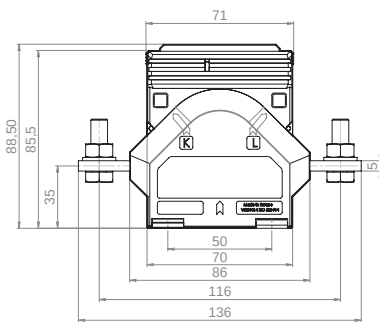
Cross section of primary side: max 4 mm<sup>2</sup> with ferrule, 6 mm<sup>2</sup> solid, max. 8 mm<sup>2</sup> with cable lugs

## WSK 70.6 N

### Wound current transformer



Transformer width 60 mm  
Height 85,5 mm  
Depth 136 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 25                  | 2,5         | 89047                         | 89011                      | 89247                    | 89211                      |
|                     | 5           | 89048                         | 89012                      | 89248                    | 89212                      |
|                     | 10          | 89049                         | 89013                      | 89249                    | 89213                      |
|                     | 15          |                               |                            | 89250                    |                            |
| 30                  | 2,5         | 89051                         | 89015                      | 89251                    | 89215                      |
|                     | 5           | 89052                         | 89016                      | 89252                    | 89216                      |
|                     | 10          | 89053                         | 89017                      | 89253                    | 89217                      |
|                     | 15          | 89054                         |                            | 89254                    |                            |
| 40                  | 2,5         | 89055                         | 89019                      | 89255                    | 89219                      |
|                     | 5           | 89056                         | 89020                      | 89256                    | 89220                      |
|                     | 10          | 89057                         | 89021                      | 89257                    | 89221                      |
|                     | 15          | 89058                         |                            | 89258                    |                            |
| 50                  | 2,5         | 89059                         | 89023                      | 89259                    | 89223                      |
|                     | 5           | 89060                         | 89024                      | 89260                    | 89224                      |
|                     | 10          | 89061                         | 89025                      | 89261                    | 89225                      |
|                     | 15          | 89062                         |                            | 89262                    |                            |
| 60                  | 2,5         | 89063                         | 89027                      | 89263                    | 89227                      |
|                     | 5           | 89064                         | 89028                      | 89264                    | 89228                      |
|                     | 10          | 89065                         | 89029                      | 89265                    | 89229                      |
|                     | 15          | 89066                         |                            | 89266                    |                            |
| 75                  | 2,5         | 89067                         | 89031                      | 89267                    | 89231                      |
|                     | 5           | 89068                         | 89032                      | 89268                    | 89232                      |
|                     | 10          | 89069                         | 89033                      | 89269                    | 89233                      |
|                     | 15          | 89070                         |                            | 89270                    |                            |
| 80                  | 2,5         | 89071                         | 89035                      | 89271                    | 89235                      |
|                     | 5           | 89072                         | 89036                      | 89272                    | 89236                      |
|                     | 10          | 89073                         | 89037                      | 89273                    | 89237                      |
|                     | 15          | 89074                         |                            | 89274                    |                            |
| 100                 | 2,5         | 89075                         | 89039                      | 89275                    | 89239                      |
|                     | 5           | 89076                         | 89040                      | 89276                    | 89240                      |
|                     | 10          | 89077                         | 89041                      | 89277                    | 89241                      |
|                     | 15          | 89078                         |                            | 89278                    |                            |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | -        |
|  | Sealed shutter, type B | 59041    |

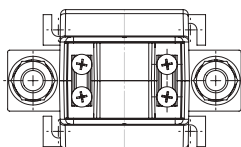
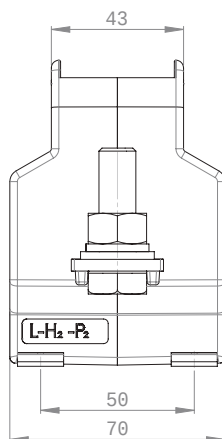
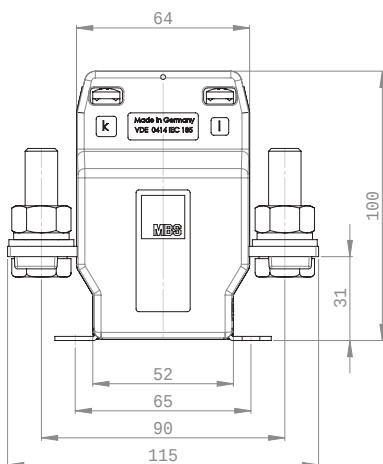
Current transformer with primary conductor 20 x 5 mm, screw M8

## WSK 31.5

### Wound current transformer



Transformer width 70 mm  
Height 100 mm  
Depth 115 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 25                  | 2,5         | 33047                         | 33011                      | 33247                    | 33211                      |
|                     | 5           | 33048                         | 33012                      | 33248                    | 33212                      |
|                     | 10          | 33049                         | 33013                      | 33249                    | 33213                      |
|                     | 15          | 33050                         | 33014                      | 33250                    | 33214                      |
| 30                  | 2,5         | 33051                         | 33015                      | 33251                    | 33215                      |
|                     | 5           | 33052                         | 33016                      | 33252                    | 33216                      |
|                     | 10          | 33053                         | 33017                      | 33253                    | 33217                      |
|                     | 15          | 33054                         | 33018                      | 33254                    | 33218                      |
| 40                  | 2,5         | 33055                         | 33019                      | 33255                    | 33219                      |
|                     | 5           | 33056                         | 33020                      | 33256                    | 33220                      |
|                     | 10          | 33057                         | 33021                      | 33257                    | 33221                      |
|                     | 15          | 33058                         | 33022                      | 33258                    | 33222                      |
| 50                  | 2,5         | 33059                         | 33023                      | 33259                    | 33223                      |
|                     | 5           | 33060                         | 33024                      | 33260                    | 33224                      |
|                     | 10          | 33061                         | 33025                      | 33261                    | 33225                      |
|                     | 15          | 33062                         | 33026                      | 33262                    | 33226                      |
| 60                  | 2,5         | 33063                         | 33027                      | 33263                    | 33227                      |
|                     | 5           | 33064                         | 33028                      | 33264                    | 33228                      |
|                     | 10          | 33065                         | 33029                      | 33265                    | 33229                      |
|                     | 15          | 33066                         | 33030                      | 33266                    | 33230                      |
| 75                  | 2,5         | 33067                         | 33031                      | 33267                    | 33231                      |
|                     | 5           | 33068                         | 33032                      | 33268                    | 33232                      |
|                     | 10          | 33069                         | 33033                      | 33269                    | 33233                      |
|                     | 15          | 33070                         | 33034                      | 33270                    | 33234                      |
| 80                  | 2,5         | 33071                         | 33035                      | 33271                    | 33235                      |
|                     | 5           | 33072                         | 33036                      | 33272                    | 33236                      |
|                     | 10          | 33073                         | 33037                      | 33273                    | 33237                      |
|                     | 15          | 33074                         | 33038                      | 33274                    | 33238                      |
| 100                 | 2,5         | 33075                         | 33039                      | 33275                    | 33239                      |
|                     | 5           | 33076                         | 33040                      | 33276                    | 33240                      |
|                     | 10          | 33077                         | 33041                      | 33277                    | 33241                      |
|                     | 15          | 33078                         | 33042                      | 33278                    | 33242                      |
| 150                 | 2,5         | 33079                         | 33043                      | 33279                    | 33243                      |
|                     | 5           | 33080                         | 33044                      | 33280                    | 33244                      |
|                     | 10          | 33081                         | 33045                      | 33281                    | 33245                      |
|                     | 15          | 33082                         | 33046                      | 33282                    | 33246                      |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type F</b> | <b>59045</b> |

Current transformer with primary conductor 30 x 5 mm, screw M12

## **Low-voltage current transformers for industrial applications**

### **Split-core current transformer for isolated primary conductors**

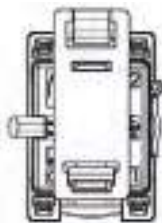
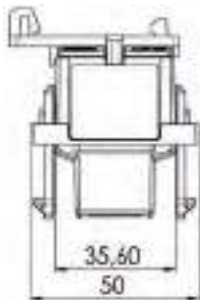
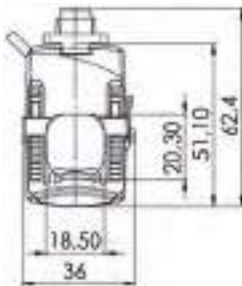
|                |                                                                                       |           |
|----------------|---------------------------------------------------------------------------------------|-----------|
| <b>KBR 18S</b> | Round conductor: 18,5 mm Current range: 60 ... 250 A<br>Transformer width: 36 mm      | Page: 105 |
| <b>KBR 18</b>  | Round conductor: 18,5 mm Current range: 50 ... 250 A<br>Transformer width: 41,6 mm    | Page: 106 |
| <b>KBR 18L</b> | Round conductor: 18,4 mm Current range: 100 ... 250 A<br>Transformer width: 49 mm     | Page: 107 |
| <b>KBR 28</b>  | Round conductor: 27,9 mm Current range: 200 ... 500 A<br>Transformer width: 49 mm     | Page: 108 |
| <b>KBR 32</b>  | Round conductor: 32,5 mm Current range: 100 ... 600 A<br>Transformer width: 59,2 mm   | Page: 109 |
| <b>KBR 42</b>  | Round conductor: 42,4 mm Current range: 250 ... 1000 A<br>Transformer width: 67 mm    | Page: 110 |
| <b>KBR 42L</b> | Round conductor: 2x 42,4 mm Current range: 250 ... 1000 A<br>Transformer width: 67 mm | Page: 111 |
| <b>KBR 44</b>  | Round conductor: 44 mm Current range: 250 ... 1000 A<br>Transformer width: 72,2 mm    | Page: 112 |

## KBR 18S

### Split-core current transformer



|                   |         |
|-------------------|---------|
| Round conductor   | 18,5 mm |
| Transformer width | 36,0 mm |
| Height            | 62,4 mm |
| Depth             | 50 mm   |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 1 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 60                  | 0,4         | 18S-0001                      |                          |
| 75                  | 0,5         | 18S-0002                      |                          |
| 100                 | 0,75        | 18S-0003                      |                          |
| 125                 | 0,75        | 18S-0004                      |                          |
| 150                 | 1           | 18S-0005                      |                          |
| 200                 | 0,4         |                               | 18S-0006                 |
|                     | 1,5         | 18S-0007                      |                          |
| 250                 | 0,5         |                               | 18S-0008                 |
|                     | 2           | 18S-0009                      |                          |

|                                                                                   |                                 | Art.-no.     |
|-----------------------------------------------------------------------------------|---------------------------------|--------------|
|  | <b>Snap-on mounting, type H</b> | <b>55016</b> |

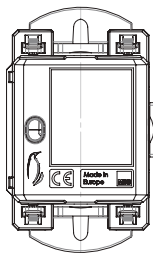
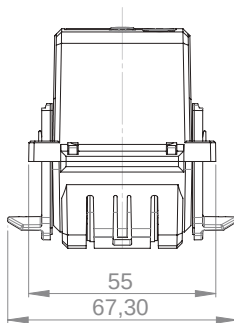
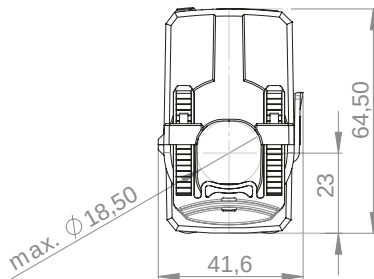
- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 18S has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The delivery follows with 2.5 m connection cable 2 x 0.5 mm<sup>2</sup> (color coded; S1 = brown; S2 = blue), other lengths of the connection cables are possible on request.
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C

## KBR 18

### Split-core current transformer



|                   |         |
|-------------------|---------|
| Round conductor   | 18,5 mm |
| Transformer width | 41,6 mm |
| Height            | 64,5 mm |
| Depth             | 68 mm   |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 1 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 50                  | 1           | 18-0001                       |                          |
| 75                  | 1           | 18-0006                       |                          |
| 100                 | 1,25        | 18-0011                       |                          |
| 125                 | 1,5         | 18-0016                       |                          |
| 150                 | 2           | 18-0021                       |                          |
| 200                 | 1           |                               | 18-0027                  |
|                     | 3           | 18-0026                       |                          |
| 250                 | 1,5         |                               | 18-0032                  |
|                     | 4           | 18-0031                       |                          |

Optional mit Spannungsausgang:

| Primary current [A] | Spannungsausgang [mV] | Class 1 |
|---------------------|-----------------------|---------|
| 50                  | 0...333               | 18-1001 |
| 75                  | 0...333               | 18-1006 |
| 100                 | 0...333               | 18-1011 |
| 125                 | 0...333               | 18-1016 |
| 150                 | 0...333               | 18-1021 |
| 200                 | 0...333               | 18-1026 |
| 250                 | 0...333               | 18-1031 |

- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 18 has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The delivery follows with 2.5 m connection cable 2 x 0.75 mm<sup>2</sup> (color coded; S1 = brown; S2 = blue), other lengths of the connection cables are possible on request.
- For the use as a current sensor the KBR 18 is optionally deliverable with a voltage output of 0 – 333 mV (Min. burden resistance ≥ 1 kΩ).
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C

## KBR 18L

### Split-core current transformer



Round conductor 18,4 mm  
Transformer width 49,0 mm  
Height 80,1 mm  
Depth 59 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 100                 | 0,3         |                               |                            | 18L-0001                 |                            |
| 125                 | 0,5         |                               |                            | 18L-0002                 |                            |
| 150                 | 1           | 18L-5001                      |                            | 18L-0003                 |                            |
| 200                 | 0,2         |                               |                            |                          | 18L-0004                   |
|                     | 1,5         | 18L-5002                      |                            | 18L-0005                 |                            |
| 250                 | 0,5         |                               |                            |                          | 18L-0006                   |
|                     | 1           |                               | 18L-5003                   |                          |                            |
|                     | 2           | 18L-5004                      |                            |                          |                            |
|                     | 2,5         |                               |                            | 18L-0007                 |                            |

|                                                                                   | Art.-no.                                        |
|-----------------------------------------------------------------------------------|-------------------------------------------------|
|  | <b>Snap-on mounting, type I</b><br><b>55017</b> |

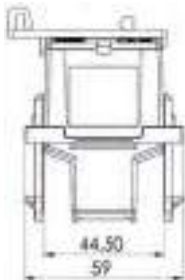
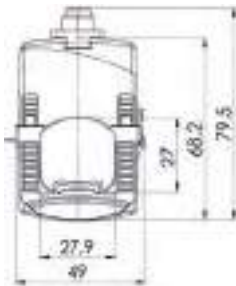
- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 18L has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The KBR 18L with secondary 1A will be delivered with 2.5 m connection cable 2 x 0.5 mm<sup>2</sup> (color coded; S1 = brown; S2 = blue). Other lengths of the connection cables are possible on request.  
The secondary 5A – version will be delivered with 0.5m connection cable 2 x 1.5 mm<sup>2</sup>.
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C

## KBR 28

### Split-core current transformer



Round conductor 27,9 mm  
Transformer width 49,0 mm  
Height 79,5 mm  
Depth 59 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 200                 | 0,3         |                               |                            | 28-0001                  |                            |
| 250                 | 1           | 28-5001                       |                            | 28-0002                  |                            |
| 300                 | 1,5         | 28-5002                       |                            | 28-0003                  |                            |
| 400                 | 0,5         |                               |                            |                          | 28-0004                    |
|                     | 2,5         | 28-5003                       |                            | 28-0005                  |                            |
| 500                 | 1           |                               | 28-5004                    |                          | 28-0006                    |
|                     | 3           | 28-5005                       |                            | 28-0007                  |                            |

|                                                                                   |                                 | Art.-no.     |
|-----------------------------------------------------------------------------------|---------------------------------|--------------|
|  | <b>Snap-on mounting, type I</b> | <b>55017</b> |

- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 28 has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The KBR 28 with secondary 1A will be delivered with 2.5 m connection cable 2 x 0.5 mm<sup>2</sup> (color coded; S1 = brown; S2 = blue). Other lengths of the connection cables are possible on request.  
The secondary 5A – version will be delivered with 0.5m connection cable 2x1.5 mm<sup>2</sup>.
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C

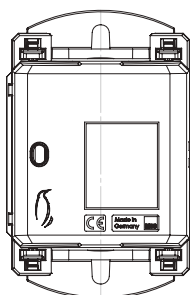
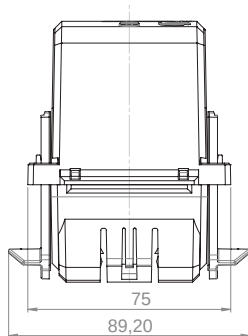
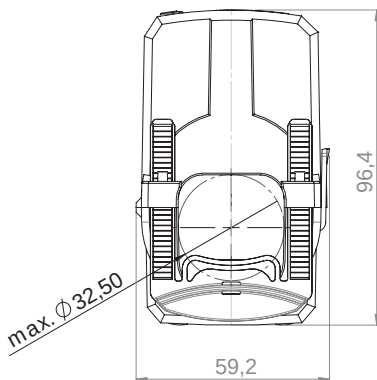


## KBR 32

### Split-core current transformer



Round conductor 32,5 mm  
Transformer width 59,2 mm  
Height 96,4 mm  
Depth 90 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |                          |                          |
|---------------------|-------------|-------------------------------|--------------------------|--------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 3<br>Art.-no.      | 5 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 3<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. |
| 100                 | 1,5         | 32-5011                       |                          |                          |                          |
|                     | 2,5         |                               |                          | 32-0011                  |                          |
| 125                 | 2,5         | 32-5016                       |                          |                          |                          |
|                     | 3           |                               |                          | 32-0016                  |                          |
| 150                 | 3           | 32-5021                       |                          | 32-0021                  |                          |
|                     | 3           | 32-5026                       |                          |                          |                          |
| 200                 | 3           | 32-5031                       |                          |                          |                          |
|                     | 5           |                               |                          | 32-0026                  |                          |
| 250                 | 3           |                               |                          |                          |                          |
|                     | 5           |                               |                          | 32-0031                  |                          |
| 300                 | 2,5         |                               | 32-5035                  |                          |                          |
|                     | 5           |                               |                          |                          | 32-0035                  |
| 400                 | 5           |                               | 32-5037                  |                          | 32-0037                  |
| 500                 | 5           |                               | 32-5039                  |                          | 32-0039                  |
| 600                 | 5           |                               | 32-5041                  |                          | 32-0041                  |

| Primary current [A] | Output signal |         | Cl. 1<br>Art.-no. |
|---------------------|---------------|---------|-------------------|
|                     | [mV] AV       | [mA] DC |                   |
| 100                 | 0...333       | –       | 32-1011           |
|                     | –             | 4...20  | 32-2011           |
| 125                 | 0...333       | –       | 32-1016           |
|                     | –             | 4...20  | 32-2016           |
| 150                 | 0...333       | –       | 32-1021           |
|                     | –             | 4...20  | 32-2021           |
| 200                 | 0...333       | –       | 32-1026           |
|                     | –             | 4...20  | 32-2026           |
| 250                 | 0...333       | –       | 32-1031           |
|                     | –             | 4...20  | 32-2031           |
| 300                 | 0...333       | –       | 32-1034           |
|                     | –             | 4...20  | 32-2034           |
| 400                 | 0...333       | –       | 32-1036           |
|                     | –             | 4...20  | 32-2036           |
| 500                 | 0...333       | –       | 32-1038           |
|                     | –             | 4...20  | 32-2038           |
| 600                 | 0...333       | –       | 32-1040           |
|                     | –             | 4...20  | 32-2040           |

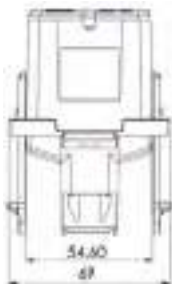
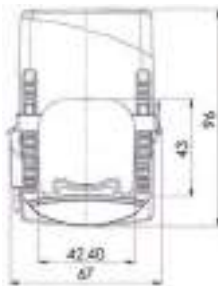
- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 32 has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The KBR 32 with secondary 1A will be delivered with 2.5 m connection cable 2 x 0.75 mm<sup>2</sup> (color coded; S1 = brown; S2 = blue). Other lengths of the connection cables are possible on request.  
The secondary 5A – version will be delivered with 0.5m connection cable 2 x 1.5 mm<sup>2</sup>.
- For the use as a current sensor the KBR 32 is optionally deliverable with a voltage output of 0 – 333 mV (min. burden resistance ≥ 1 kΩ).  
Moreover the KBR 32 is deliverable as a measuring transducer with a measuring output of 4...20 mA DC, connection scheme see page 113.
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C

## KBR 42

### Split-core current transformer



Round conductor 42,4 mm  
Transformer width 67,0 mm  
Height 96,0 mm  
Depth 69 mm

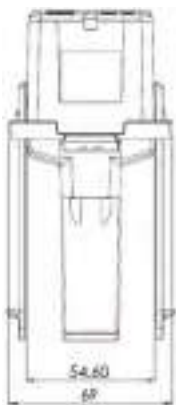
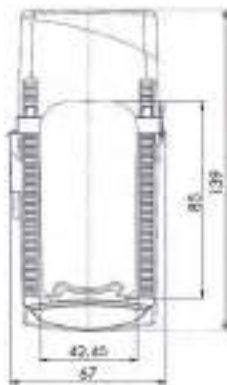


| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 250                 | 2,5         |                               |                            | 42-0001                  |                            |
| 300                 | 2,5         | 42-5001                       |                            | 42-0002                  |                            |
| 400                 | 2,5         |                               |                            |                          | 42-0003                    |
|                     | 5           | 42-5002                       |                            | 42-0004                  |                            |
| 500                 | 2,5         |                               |                            |                          | 42-0005                    |
|                     | 5           | 42-5003                       |                            | 42-0006                  |                            |
| 600                 | 2,5         |                               | 42-5004                    |                          | 42-0007                    |
|                     | 5           | 42-5005                       |                            | 42-0008                  |                            |
| 750                 | 2,5         |                               | 42-5006                    |                          | 42-0009                    |
|                     | 5           | 42-5007                       |                            | 42-0010                  |                            |
| 800                 | 2,5         |                               | 42-5008                    |                          | 42-0011                    |
|                     | 5           | 42-5009                       |                            | 42-0012                  |                            |
| 1000                | 2,5         |                               | 42-5010                    |                          | 42-0013                    |
|                     | 5           | 42-5011                       |                            | 42-0014                  |                            |

- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 42 has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The KBR 42 with secondary 1A will be delivered with 2.5 m connection cable 2 x 0.5 mm<sup>2</sup> (color coded; S1 = brown; S2 = blue). Other lengths of the connection cables are possible on request.
- The secondary 5A – version will be delivered with 0.5m connection cable 2 x 1.5 mm<sup>2</sup>.
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C



Round conductor 2x 42,4 mm  
Transformer width 67,0 mm  
Height 139,0 mm  
Depth 69 mm



## KBR 42L

### Split-core current transformer

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 250                 | 2,5         |                               |                            | 42L-0001                 |                            |
| 300                 | 2,5         | 42L-5001                      |                            | 42L-0002                 |                            |
| 400                 | 2,5         |                               |                            |                          | 42L-0003                   |
|                     | 5           | 42L-5002                      |                            | 42L-0004                 |                            |
| 500                 | 2,5         |                               |                            |                          | 42L-0005                   |
|                     | 5           | 42L-5003                      |                            | 42L-0006                 |                            |
| 600                 | 2,5         |                               | 42L-5004                   |                          | 42L-0007                   |
|                     | 5           | 42L-5005                      |                            | 42L-0008                 |                            |
| 750                 | 2,5         |                               | 42L-5006                   |                          | 42L-0009                   |
|                     | 5           | 42L-5007                      |                            | 42L-0010                 |                            |
| 800                 | 2,5         |                               | 42L-5008                   |                          | 42L-0011                   |
|                     | 5           | 42L-5009                      |                            | 42L-0012                 |                            |
| 1000                | 2,5         |                               | 42L-5010                   |                          | 42L-0013                   |
|                     | 5           | 42L-5011                      |                            | 42L-0014                 |                            |

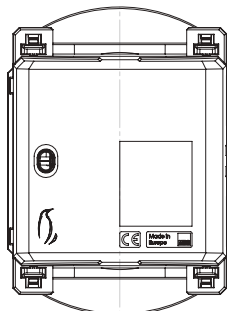
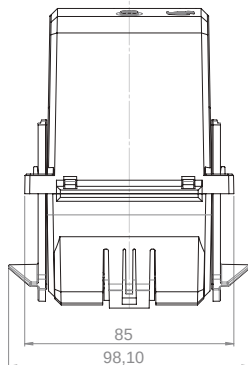
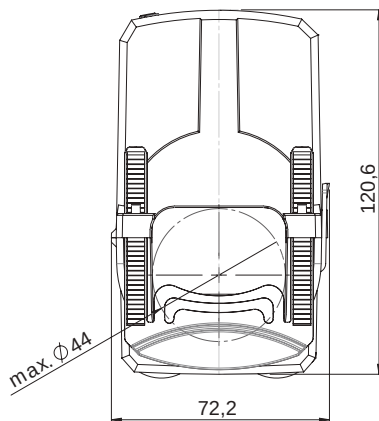
- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 42L has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The KBR 42L with secondary 1A will be delivered with 2.5 m connection cable 2 x 0.5 mm<sup>2</sup> (color coded; S1 = brown; S2 = blue). Other lengths of the connection cables are possible on request.
- The secondary 5A – version will be delivered with 0.5m connection cable 2 x 1.5 mm<sup>2</sup>.
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C

## KBR 44

### Split-core current transformer



Round conductor 44 mm  
Transformer width 72,2 mm  
Height 120,6 mm  
Depth 98 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 250                 | 1,5         | 44-5001                       |                          |
|                     | 2,5         |                               | 44-0001                  |
| 300                 | 2,5         | 44-5006                       | 44-0006                  |
| 400                 | 5           | 44-5011                       | 44-0011                  |
| 500                 | 5           | 44-5016                       | 44-0016                  |
| 600                 | 5           | 44-5021                       | 44-0021                  |
| 750                 | 5           | 44-5026                       | 44-0026                  |
| 800                 | 5           | 44-5031                       | 44-0031                  |
| 1000                | 5           | 44-5036                       | 44-0036                  |

| Primary current [A] | Output signal |         | Cl. 1<br>Art.-no. |
|---------------------|---------------|---------|-------------------|
|                     | [mV] AV       | [mA] DC |                   |
| 250                 | 0...333       | –       | 44-1001           |
|                     | –             | 4...20  | 44-2001           |
| 300                 | 0...333       | –       | 44-1006           |
|                     | –             | 4...20  | 44-2006           |
| 400                 | 0...333       | –       | 44-1011           |
|                     | –             | 4...20  | 44-2011           |
| 500                 | 0...333       | –       | 44-1016           |
|                     | –             | 4...20  | 44-2016           |
| 600                 | 0...333       | –       | 44-1021           |
|                     | –             | 4...20  | 44-2021           |
| 750                 | 0...333       | –       | 44-1026           |
|                     | –             | 4...20  | 44-2026           |
| 800                 | 0...333       | –       | 44-1031           |
|                     | –             | 4...20  | 44-2031           |
| 1000                | 0...333       | –       | 44-1036           |
|                     | –             | 4...20  | 44-2036           |

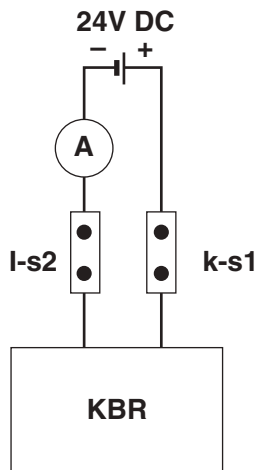
- Split-core current transformers are mainly used for an easy fitment and subsequent assembly into an already existing installation, without separating the primary conductor.
- The compact split-core current transformer KBR 44 has been developed to have easy access in already existing installations.
- Due to the „click“-system and the fixing-clasps even a one-hand mounting is possible.
- The KBR 44 with secondary 1A will be delivered with 2.5 m connection cable 2 x 0.75 mm<sup>2</sup> (color coded; S1 = brown; S2 = blue). Other lengths of the connection cables are possible on request.
- The secondary 5A – version will be delivered with 0.5m connection cable 2 x 1.5 mm<sup>2</sup>.
- For the use as a current sensor the KBR 32 is optionally deliverable with a voltage output of 0 – 333 mV (min. burden resistance ≥ 1 kΩ).  
Moreover the KBR 32 is deliverable as a measuring transducer with a measuring output of 4...20 mA DC.
- Operating temperature: -5°C < T < +50°C
- Storage temperature: -25°C < T < +70°C

# KBR 32 / 44

Technical characteristics for the KBR 32 / 44 with output signal 4...20 mA:

- 2-wire connection, auxiliary power via output circuit
- Auxiliary power: 24 V DC  $\pm 15\%$ ,  $P_v = \text{max. } 1 \text{ VA}$
- Load-independent DC current: Live-zero, 4...20 mA
- External resistance: max. 300  $\Omega$
- Current limit under overload: < 30 mA
- Residual ripple of the output current:  $\leq 1\%$  p.p.
- Response time: < 300 ms

Wiring diagram of the KBR 32 / 44 (4...20 mA):



# **Low-voltage current transformers for industrial applications**

## **Split-core current transformer**

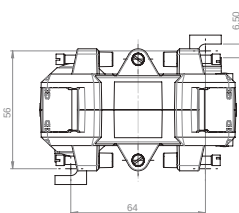
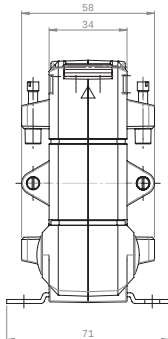
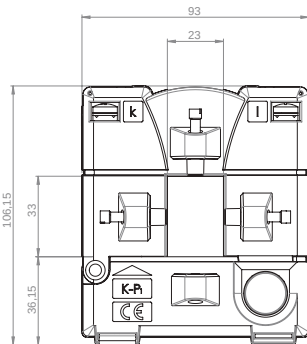
|                |                                                                               |                                |           |
|----------------|-------------------------------------------------------------------------------|--------------------------------|-----------|
| <b>KBU 23</b>  | Bus bar 1: 20 x 30 mm<br>Round conductor: 20 mm<br>Transformer width: 93 mm   | Current range: 100 ... 400 A   | Page: 115 |
| <b>KBU 58</b>  | Bus bar 1: 50 x 80 mm<br>Round conductor: 50 mm<br>Transformer width: 125 mm  | Current range: 250 ... 1000 A  | Page: 116 |
| <b>KBU 812</b> | Bus bar 1: 80 x 120 mm<br>Round conductor: 80 mm<br>Transformer width: 155 mm | Current range: 250 ... 1500 A  | Page: 117 |
| <b>KBU 816</b> | Bus bar 1: 80 x 160 mm<br>Round conductor: 80 mm<br>Transformer width: 195 mm | Current range: 1000 ... 5000 A | Page: 118 |

## KBU 23

### Split-core current transformer



Bus bar 1            20 x 30 mm  
 Round conductor    20 mm  
 Transformer width   93 mm  
 Height                106 mm  
 Depth                 58 mm



|                     |             | Secondary current [A] / Class |                          |                            |
|---------------------|-------------|-------------------------------|--------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 1 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 100                 | 1,25        | 80248                         |                          |                            |
| 150                 | 1,5         | 80230                         |                          |                            |
| 200                 | 2,5         | 80231                         |                          |                            |
| 250                 | 1,5         |                               | 80244                    |                            |
| 300                 | 3,75        |                               | 80245                    |                            |
| 400                 | 1           |                               |                          | 80237                      |
|                     | 5           |                               | 80246                    |                            |

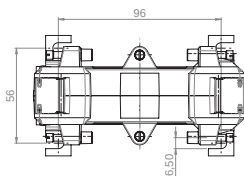
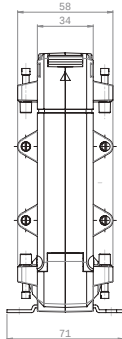
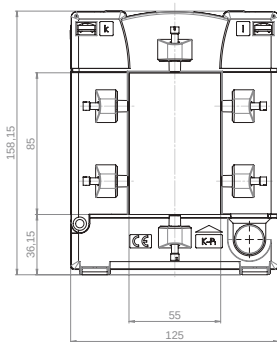
|                     |             | Secondary current [A] / Class |                          |                            |
|---------------------|-------------|-------------------------------|--------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 3<br>Art.-no.      | 5 A<br>Cl. 1<br>Art.-no. | 5 A<br>Cl. 0,5<br>Art.-no. |
| 100                 | 1,25        | 80048                         |                          |                            |
| 150                 | 1,5         | 80030                         |                          |                            |
| 200                 | 2,5         | 80031                         |                          |                            |
| 250                 | 1,5         |                               | 80044                    |                            |
| 300                 | 3,75        |                               | 80045                    |                            |
| 400                 | 1           |                               |                          | 80037                      |
|                     | 5           |                               | 80046                    |                            |

## KBU 58

### Split-core current transformer



Bus bar 1            50 x 80 mm  
 Round conductor    50 mm  
 Transformer width   125 mm  
 Height                158 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 250                 | 1,5         | 80061                         |                            | 80261                    |                            |
| 300                 | 2,5         | 80062                         |                            | 80262                    |                            |
| 400                 | 1           |                               | 80038                      |                          | 80238                      |
|                     | 2,5         | 80063                         |                            | 80263                    |                            |
| 500                 | 2,5         |                               | 80054                      |                          | 80254                      |
|                     | 5           | 80064                         |                            | 80264                    |                            |
| 600                 | 2,5         |                               | 80055                      |                          | 80255                      |
|                     | 5           | 80065                         |                            | 80265                    |                            |
| 750                 | 2,5         |                               | 80056                      |                          | 80256                      |
|                     | 5           | 80066                         |                            | 80266                    |                            |
| 800                 | 2,5         |                               | 80057                      |                          | 80257                      |
|                     | 7,5         | 80067                         |                            | 80267                    |                            |
| 1000                | 5           |                               | 80058                      |                          | 80258                      |
|                     | 10          | 80068                         |                            | 80268                    |                            |

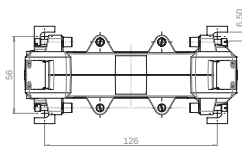
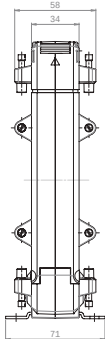
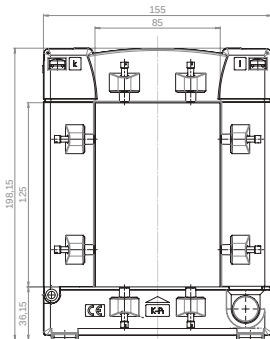


## KBU 812

### Split-core current transformer



Bus bar 1                      80 x 120 mm  
 Round conductor              80 mm  
 Transformer width            155 mm  
 Height                          198 mm  
 Depth                          58 mm



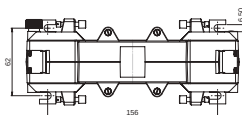
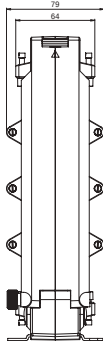
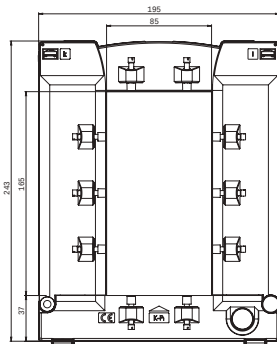
| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 250                 | 1,5         | 80091                         |                            | 80291                    |                            |
| 300                 | 2,5         | 80092                         |                            | 80292                    |                            |
| 400                 | 2,5         | 80093                         |                            | 80293                    |                            |
| 500                 | 2,5         |                               | 80074                      |                          | 80274                      |
|                     | 5           | 80094                         |                            | 80294                    |                            |
| 600                 | 2,5         |                               | 80075                      |                          | 80275                      |
|                     | 5           | 80095                         |                            | 80295                    |                            |
| 750                 | 2,5         |                               | 80076                      |                          | 80276                      |
|                     | 5           | 80096                         |                            | 80296                    |                            |
| 800                 | 2,5         |                               | 80077                      |                          | 80277                      |
|                     | 7,5         | 80097                         |                            | 80297                    |                            |
| 1000                | 5           |                               | 80078                      |                          | 80278                      |
|                     | 10          | 80098                         |                            | 80298                    |                            |
| 1200                | 5           |                               | 80079                      |                          | 80279                      |
|                     | 10          | 80099                         |                            | 80299                    |                            |
| 1250                | 7,5         |                               | 80080                      |                          | 80280                      |
|                     | 15          | 80100                         |                            | 80300                    |                            |
| 1500                | 7,5         |                               | 80081                      |                          | 80281                      |
|                     | 15          | 80101                         |                            | 80301                    |                            |

## KBU 816

### Split-core current transformer



Bus bar 1                80 x 160 mm  
 Round conductor        80 mm  
 Transformer width      195 mm  
 Height                    243 mm  
 Depth                    79 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 1000                | 10          | 80140                         | 80110                      | 80340                    | 80310                      |
|                     | 15          | 80141                         |                            | 80341                    |                            |
| 1200                | 10          | 80142                         | 80111                      | 80342                    | 80311                      |
|                     | 15          | 80143                         |                            | 80343                    |                            |
| 1500                | 10          | 80144                         | 80112                      | 80344                    | 80312                      |
|                     | 15          | 80145                         | 80113                      | 80345                    | 80313                      |
| 1600                | 10          | 80146                         | 80114                      | 80346                    | 80314                      |
|                     | 15          | 80147                         | 80115                      | 80347                    | 80315                      |
| 2000                | 10          | 80148                         | 80116                      | 80348                    | 80316                      |
|                     | 15          | 80149                         | 80117                      | 80349                    | 80317                      |
| 2500                | 10          | 80150                         | 80119                      | 80350                    | 80319                      |
|                     | 15          | 80151                         | 80120                      | 80351                    | 80320                      |
| 3000                | 15          | 80152                         | 80122                      | 80352                    | 80322                      |
|                     | 30          | 80153                         |                            | 80353                    |                            |
| 4000                | 15          | 80154                         | 80123                      | 80354                    | 80323                      |
|                     | 30          | 80155                         | 80124                      | 80355                    | 80324                      |
| 5000                | 15          | 80156                         | 80125                      | 80356                    | 80325                      |
|                     | 30          | 80157                         | 80126                      | 80357                    | 80326                      |



## **Low-voltage current transformers for industrial applications**

### **Summation current transformer**

#### **KSU**

Inputs: 2 ... 3 pcs.

Current range: 1 A or 5 A

Page: 122

Transformer width: 127 mm

---

#### **SUSK**

Inputs: 3 ... 8 pcs.

Current range: 1 A or 5 A

Page: 123

Transformer width: 156 mm

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## **Guidance when ordering summation current transformers**

Summation current transformers are suitable for the summation of several synchronized alternating currents with similar phases but with differing load phase shifts. It is also possible to have the summation of currents with varied nominal voltages of similar phase positions. These measurements cannot be used for tariff applications, as the existing voltage differences are recorded as errors.

With the counter connection of the main transformer to the summation current transformer, it is possible to receive secondary currents which are proportional to the differences of the primary input currents.

The built-in technical know-how enables the summation current transformers to add secondary currents of varying nominal transmissions from the main transformer.

The secondary connections of each main transformer are connected to the allocated primary inputs of the summation current transformers.

The number of windings of individual partially wound primary circuits of the summation current transformer is proportionally aligned to the ratio of the primary nominal current of the corresponding main transformer, and to the sum of the nominal currents of all the summation current transformers being connected to the main transformer.

For the visual display of the current, a measuring unit can be used with a measuring range similar to the secondary nominal current of the summation current transformers.

It is irrelevant for the main transformers with similar nominal transmission ratios, to which primary circuit of the summation current transformer the connection is made.

With main transformers of different nominal transmission ratios, care must be taken to adhere to the assigned connection to the terminals of the summation current transformers.

If the current flow in the main transformer is interrupted, the secondary circuit of the main transformer must neither be short-circuited nor be connected to the summation current transformer, or to the main transformer.

Summation current transformers with unallocated primary circuits must remain open for a later connection to an additional main transformer. The secondary output current of the summation current transformer is in this instance lower than the secondary nominal current of the summation current transformer by a quantity equal to the ratio of the primary nominal current of this "missing" main transformer and the sum of all the primary nominal currents of the main transformer.

The nominal secondary current of a main transformer must be equal to the nominal primary current of the input allocation of the summation current transformer.

## Guidance when ordering summation current transformers

Please find below an example for the correct selection of measuring components for summation current transformers.

**Example:**

|                                                                   |                                                                                    |                                                           |
|-------------------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Actual situation:                                                 | 3 transmission ratios                                                              | 1000 / 5 A<br>800 / 5 A<br><u>600 / 5 A</u><br>2400 / 5 A |
|                                                                   | Overall current                                                                    |                                                           |
| Burden:                                                           | – 1 current meter<br>– 1 power recorder                                            |                                                           |
| Looking for:                                                      | 1 summation current transformer and the VA power of an individual main transformer |                                                           |
| Required active performance of the summation current transformer: |                                                                                    |                                                           |

|                                |               |
|--------------------------------|---------------|
| Current meter                  | 1.5 VA        |
| Power recorder                 | 7.0 VA        |
| Measurement conductor loss     | 1.5 VA        |
| Consumption $P_0$ summation CT | <u>4.0 VA</u> |
| Interim result                 | 14.0 VA       |

The individual transformer must provide its VA share from this 14.0 VA corresponding to its ratio to the “total transmission”.

Consideration must also be given to the respective power loss between the main transformer and the summation transformer plus other possible losses.

|                               |                                                                                       |
|-------------------------------|---------------------------------------------------------------------------------------|
| 1. Main transformer 1000 / 5A | $\frac{1000}{2400} \times 14.0 = 5.83 \text{ VA} + \text{additional possible losses}$ |
| 2. Main transformer 800 / 5A  | $\frac{800}{2400} \times 14.0 = 4.67 \text{ VA} + \text{additional possible losses}$  |
| 3. Main transformer 600 / 5A  | $\frac{600}{2400} \times 14.0 = 3.50 \text{ VA} + \text{additional possible losses}$  |

The VA values of the main transformers are to be rounded up to the corresponding VA values in our charts.

**The ratio of the primary current of a main transformer to the sum of the primary currents of all main current transformers the ratio must not exceed 1:8.**

### Important indication to the power measuring

Too many rising deviation can prevent the measuring transformer acting as a current transformer from fulfilling its protective function with regard to the connected measuring units, as in normal operation its functions is well below its saturation limit, and in the event of over currents, the saturation limit is reached considerably later and takes the function almost as a protection current transformer.

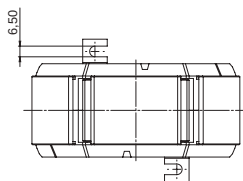
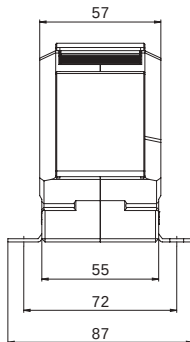
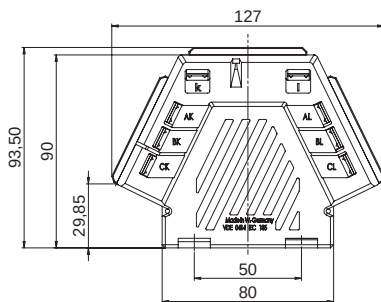
If there is too much of a decrease, the measuring transformer, as a result of the continuous excess demands will reach the saturation limit too soon and indirectly function as a switch, rendering a measuring impossible.

## KSU 2...3

### Summation current transformer



Transformer width 127 mm  
Height 90 mm  
Depth 57 mm



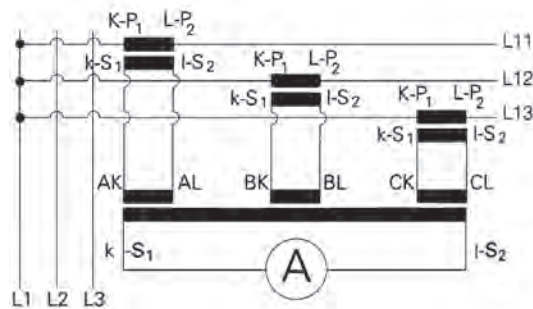
| Inputs | Primary current [A] | Secondary current [A] / Class |                    |                      |                    |                      |
|--------|---------------------|-------------------------------|--------------------|----------------------|--------------------|----------------------|
|        |                     | Burden [VA]                   | 5 A Cl. 1 Art.-no. | 5 A Cl. 0,5 Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 2      | 1                   | 5                             | 41114              | 41111                | 41314              | 41311                |
|        |                     | 10                            | 41115              | 41112                | 41315              | 41312                |
|        |                     | 15                            | 41116              | 41113                | 41316              | 41313                |
|        |                     | 20                            | 41117              |                      | 41317              |                      |
|        |                     | 25                            | 41118              |                      | 41318              |                      |
|        | 5                   | 5                             | 41014              | 41011                | 41214              | 41211                |
|        |                     | 10                            | 41015              | 41012                | 41215              | 41212                |
|        |                     | 15                            | 41016              | 41013                | 41216              | 41213                |
|        |                     | 20                            | 41017              |                      | 41217              |                      |
|        |                     | 25                            | 41018              |                      | 41218              |                      |
| 3      | 1                   | 5                             | 41130              | 41127                | 41330              | 41327                |
|        |                     | 10                            | 41131              | 41128                | 41331              | 41328                |
|        |                     | 15                            | 41132              | 41129                | 41332              | 41329                |
|        | 5                   | 5                             | 41030              | 41027                | 41230              | 41227                |
|        |                     | 10                            | 41031              | 41028                | 41231              | 41228                |
|        |                     | 15                            | 41032              | 41029                | 41232              | 41229                |
|        |                     | 20                            |                    |                      |                    |                      |
|        |                     | 25                            |                    |                      |                    |                      |
|        |                     | 30                            |                    |                      |                    |                      |
|        |                     | 35                            |                    |                      |                    |                      |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type B</b> | <b>59041</b> |

Connection example for different ratios:

AK-AL = 1000/5  
BK-BL = 800/5  
CK-CL = 600/5

Connection diagram

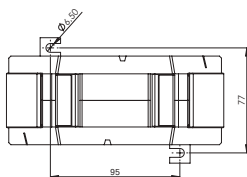
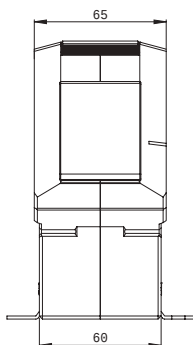
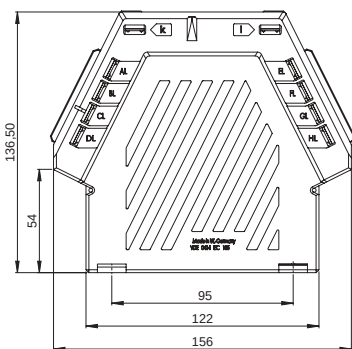


## SUSK 3...8

Summation current transformer



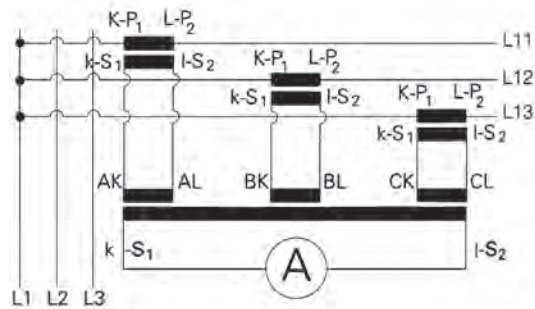
Transformer width 156 mm  
Height 136,5 mm  
Depth 65 mm



| Inputs | Primary current [A] | Secondary current [A] / Class |                    |                      |                    |                      |
|--------|---------------------|-------------------------------|--------------------|----------------------|--------------------|----------------------|
|        |                     | Burden [VA]                   | 5 A Cl. 1 Art.-no. | 5 A Cl. 0,5 Art.-no. | 1 A Cl. 1 Art.-no. | 1 A Cl. 0,5 Art.-no. |
| 3      | 1                   | 5                             | 40115              | 40111                | 40315              | 40311                |
|        |                     | 10                            | 40116              | 40112                | 40316              | 40312                |
|        |                     | 15                            | 40117              | 40114                | 40317              | 40314                |
|        |                     | 30                            | 40118              |                      | 40318              |                      |
|        | 5                   | 5                             | 40015              | 40011                | 40215              | 40211                |
|        |                     | 10                            | 40016              | 40012                | 40216              | 40212                |
|        |                     | 15                            | 40017              | 40014                | 40217              | 40214                |
|        |                     | 30                            | 40018              |                      | 40218              |                      |
| 4      | 1                   | 5                             | 40126              | 40123                | 40326              | 40323                |
|        |                     | 10                            | 40127              | 40124                | 40327              | 40324                |
|        |                     | 15                            | 40128              | 40125                | 40328              | 40325                |
|        |                     | 25                            | 40129              |                      | 40329              |                      |
|        |                     | 30                            | 40130              |                      | 40330              |                      |
|        | 5                   | 5                             | 40026              | 40023                | 40226              | 40223                |
|        |                     | 10                            | 40027              | 40024                | 40227              | 40224                |
|        |                     | 15                            | 40028              | 40025                | 40228              | 40225                |
|        |                     | 25                            | 40029              |                      | 40229              |                      |
|        |                     | 30                            | 40030              |                      | 40230              |                      |
| 5      | 1                   | 5                             | 40137              | 40134                | 40337              | 40334                |
|        |                     | 10                            | 40138              | 40135                | 40338              | 40335                |
|        |                     | 15                            | 40139              | 40136                | 40339              | 40336                |
|        |                     | 30                            | 40140              |                      | 40340              |                      |
|        | 5                   | 5                             | 40037              | 40034                | 40237              | 40234                |
|        |                     | 10                            | 40038              | 40035                | 40238              | 40235                |
|        |                     | 15                            | 40039              | 40036                | 40239              | 40236                |
|        |                     | 30                            | 40040              |                      | 40240              |                      |
| 6      | 1                   | 5                             | 40148              | 40145                | 40348              | 40345                |
|        |                     | 10                            | 40149              | 40146                | 40349              | 40346                |
|        |                     | 15                            | 40150              | 40147                | 40350              | 40347                |
|        |                     | 30                            | 40151              |                      | 40351              |                      |
|        | 5                   | 5                             | 40048              | 40045                | 40248              | 40245                |
|        |                     | 10                            | 40049              | 40046                | 40249              | 40246                |
|        |                     | 15                            | 40050              | 40047                | 40250              | 40247                |
|        |                     | 30                            | 40051              |                      | 40251              |                      |
| 7      | 1                   | 5                             | 40160              | 40157                | 40360              | 40357                |
|        |                     | 10                            | 40161              | 40158                | 40361              | 40358                |
|        |                     | 15                            | 40162              | 40159                | 40362              | 40359                |
|        |                     | 30                            | 40163              |                      | 40363              |                      |
|        | 5                   | 5                             | 40060              | 40057                | 40260              | 40257                |
|        |                     | 10                            | 40061              | 40058                | 40261              | 40258                |
|        |                     | 15                            | 40062              | 40059                | 40262              | 40259                |
|        |                     | 30                            | 40063              |                      | 40263              |                      |
| 8      | 1                   | 5                             | 40171              | 40168                | 40371              | 40368                |
|        |                     | 10                            | 40172              | 40169                | 40372              | 40369                |
|        |                     | 15                            | 40173              | 40170                | 40373              | 40370                |
|        |                     | 30                            | 40174              |                      | 40374              |                      |
|        | 5                   | 5                             | 40071              | 40068                | 40271              | 40268                |
|        |                     | 10                            | 40072              | 40069                | 40272              | 40269                |
|        |                     | 15                            | 40073              | 40070                | 40273              | 40270                |
|        |                     | 30                            | 40074              |                      | 40274              |                      |

|                                                                                   |                               |                 |
|-----------------------------------------------------------------------------------|-------------------------------|-----------------|
|                                                                                   |                               | <b>Art.-no.</b> |
|  | <b>Snap-on mounting</b>       | –               |
|  | <b>Sealed shutter, type B</b> | <b>59041</b>    |
|  | <b>Sealed shutter, type C</b> | <b>59042</b>    |

### Connection diagram







## **Low-voltage current transformers for industrial applications**

### **Current transformer for fuse disconnecter of size 1, 2 and 3**

|                                   |                                                  |                              |           |
|-----------------------------------|--------------------------------------------------|------------------------------|-----------|
| <b>NH 6.1</b><br><b>NH 6.1 2U</b> | Bus bar 1: 24 x 6 mm<br>Transformer width: 52 mm | Current range: 100 ... 300 A | Page: 127 |
|-----------------------------------|--------------------------------------------------|------------------------------|-----------|

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|                                   |                                                  |                              |           |
|-----------------------------------|--------------------------------------------------|------------------------------|-----------|
| <b>NH 6.2</b><br><b>NH 6.2 2U</b> | Bus bar 1: 30 x 6 mm<br>Transformer width: 60 mm | Current range: 100 ... 400 A | Page: 128 |
|-----------------------------------|--------------------------------------------------|------------------------------|-----------|

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|                                   |                                                  |                              |           |
|-----------------------------------|--------------------------------------------------|------------------------------|-----------|
| <b>NH 6.3</b><br><b>NH 6.3 2U</b> | Bus bar 1: 32 x 6 mm<br>Transformer width: 74 mm | Current range: 150 ... 600 A | Page: 129 |
|-----------------------------------|--------------------------------------------------|------------------------------|-----------|

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# Current transformer for fuse disconnecter of size 1, 2 and 3

**Housing material:** Technyl A20 V25 N025, 200 °C

**Configuration:** Current transformers for direct fitment in connection with low voltage high performance fuses with contact-knives and NH-fuse sets according to DIN 43620/1. NH current transformers are arranged with 2 or 4 tip yescks respectively and can be operated continuously in open state. Loss motion voltage / open circuit voltage with sec. 5 A approx. 3 – 6 V and with sec. 1 A approx. 13 – 25 V. The current transformers can also be supplied in dual change-over mode for secondary application.



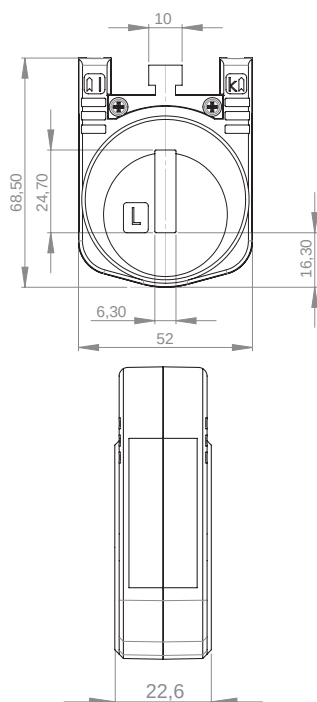
**MBS AG**

Eisbachstraße 51 - 74429 Sulzbach-Laufen  
Germany

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E-Mail: [info@mbs-ag.com](mailto:info@mbs-ag.com) - Web: [www.mbs-ag.com](http://www.mbs-ag.com)



Bus bar 1                    24 x 6 mm  
 Transformer width        52 mm  
 Height                        68,5 mm  
 Depth                        23 mm



## NH 6.1

Current transformer for fuse disconnectors

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 3<br>Art.-no. |
| 100                 | 1,25        | 50011                         | 50211                    |
| 150                 | 2,5         | 50012                         | 50212                    |
| 200                 | 3,5         | 50013                         | 50213                    |
| 250                 | 4           | 50014                         | 50214                    |
| 300                 | 5           | 50015                         | 50215                    |

## NH 6.1 2U

Current transformer for fuse disconnectors, secondary reconnectable

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 3<br>Art.-no. |
| 200-100             | 2,5-1,25    | 50111                         | 50311                    |
| 300-150             | 5-2,5       | 50112                         | 50312                    |

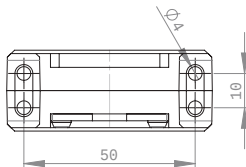
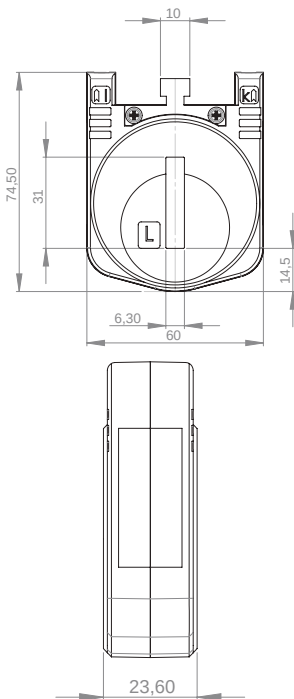
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## NH 6.2

Current transformer for fuse disconnectors



Bus bar 1                      30 x 6 mm  
Transformer width            60 mm  
Height                         74,5 mm  
Depth                         24 mm



|                     |             | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 3<br>Art.-no. |
| 100                 | 1,25        | 50021                         | 50221                    |
| 150                 | 2,5         | 50022                         | 50222                    |
| 200                 | 3,5         | 50023                         | 50223                    |
| 250                 | 4           | 50024                         | 50224                    |
| 300                 | 5           | 50025                         | 50225                    |
| 400                 | 5           | 50026                         | 50226                    |

## NH 6.2 2U

Current transformer for fuse disconnectors, secondary reconnectable

|                     |             | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 3<br>Art.-no. |
| 200-100             | 2,5-1,25    | 50121                         | 50321                    |
| 300-150             | 5-2,5       | 50122                         | 50322                    |
| 400-200             | 5-2,5       | 50123                         | 50323                    |

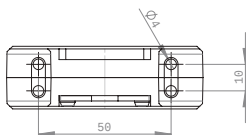
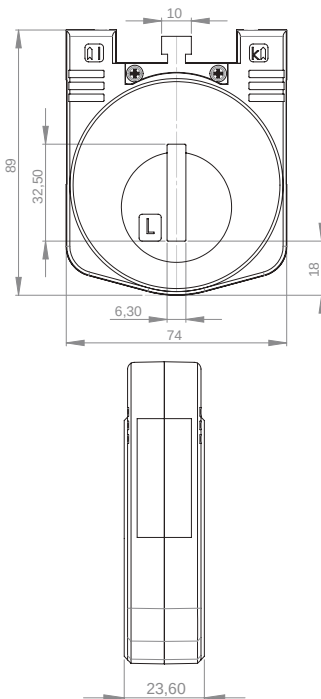
|  |                  | Art.-no. |
|--|------------------|----------|
|  | Snap-on mounting | –        |
|  | Sealed shutter   | –        |

## NH 6.3

Current transformer for fuse disconnectors



Bus bar 1                      32 x 6 mm  
Transformer width            74 mm  
Height                          89 mm  
Depth                          24 mm



|                     |             | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 3<br>Art.-no. |
| 150                 | 2,5         | 50031                         | 50231                    |
| 200                 | 3,5         | 50032                         | 50232                    |
| 250                 | 4           | 50033                         | 50233                    |
| 300                 | 5           | 50034                         | 50234                    |
| 400                 | 5           | 50035                         | 50235                    |
| 500                 | 5           | 50036                         | 50236                    |
| 600                 | 10          | 50037                         | 50237                    |

## NH 6.3 2U

Current transformer for fuse disconnectors, secondary reconnectable

|                     |             | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 3<br>Art.-no.      | 1 A<br>Cl. 3<br>Art.-no. |
| 300-150             | 5-2,5       | 50131                         | 50331                    |
| 400-200             | 5-2,5       | 50132                         | 50332                    |
| 600-300             | 10-5        | 50133                         | 50333                    |

|  |                  | Art.-no. |
|--|------------------|----------|
|  | Snap-on mounting | –        |
|  | Sealed shutter   | –        |

## **Low-voltage current transformers for industrial applications**

### **Protection tube current transformer**

**SASR 22.3**

Round conductor: 22,5 mm Current range: 100 ... 300 A  
Transformer width: 61 mm

Page: 133

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### **Protection plug-in current transformer**

**SASK 21.3**

Bus bar 1: 20 x 10 mm  
Round conductor: 19,2 mm  
Transformer width: 61 mm

Current range: 125 ... 200 A

Page: 134

**SASK 421.4**

Bus bar 1: 20 x 10 mm  
Round conductor: 20 mm  
Transformer width: 71 mm

Current range: 100 ... 400 A

Page: 135

**SASK 31.5**

Bus bar 1: 30 x 10 mm  
Bus bar 2: 2x 20 x 10 mm  
Round conductor: 28 mm  
Transformer width: 61 mm

Current range: 75 ... 750 A

Page: 136

**SASK 31.6**

Bus bar 1: 30 x 10 mm  
Bus bar 2: 20 x 13 mm  
Round conductor: 23 mm  
Transformer width: 95 mm

Current range: 50 ... 750 A

Page: 137

**SASK 41.4**

Bus bar 1: 40 x 10 mm  
Bus bar 2: 2x 30 x 5 mm  
Round conductor: 32 mm  
Transformer width: 71 mm

Current range: 100 ... 750 A

Page: 141

**SASK 541.4**

Bus bar 1: 40 x 10 mm  
Bus bar 2: 2x 30 x 5 mm  
Round conductor: 32 mm  
Transformer width: 86 mm

Current range: 100 ... 1000 A

Page: 142



|                   |                                                                                                          |                               |           |
|-------------------|----------------------------------------------------------------------------------------------------------|-------------------------------|-----------|
| <b>SASK 41.6</b>  | Bus bar 1: 40 x 12 mm<br>Bus bar 2: 30 x 15 mm<br>Round conductor: 32 mm<br>Transformer width: 95 mm     | Current range: 75 ... 750 A   | Page: 144 |
| <b>SASK 41.10</b> | Bus bar 1: 40 x 10 mm<br>Round conductor: 32 mm<br>Transformer width: 150 mm                             | Current range: 75 ... 800 A   | Page: 146 |
| <b>SASK 51.4</b>  | Bus bar 1: 50 x 10 mm<br>Bus bar 2: 2x 40 x 10 mm<br>Round conductor: 44 mm<br>Transformer width: 86 mm  | Current range: 150 ... 1000 A | Page: 150 |
| <b>SASK 51.6</b>  | Bus bar 1: 50 x 12 mm<br>Bus bar 2: 2x 40 x 10 mm<br>Round conductor: 40 mm<br>Transformer width: 95 mm  | Current range: 150 ... 1000 A | Page: 151 |
| <b>SASK 61.4</b>  | Bus bar 1: 60 x 10 mm<br>Bus bar 2: 2x 50 x 10 mm<br>Round conductor: 44 mm<br>Transformer width: 96 mm  | Current range: 200 ... 1250 A | Page: 153 |
| <b>SASK 61.10</b> | Bus bar 1: 60 x 10 mm<br>Bus bar 2: 2x 50 x 10 mm<br>Round conductor: 30 mm<br>Transformer width: 150 mm | Current range: 100 ... 1500 A | Page: 154 |
| <b>SASK 63.6</b>  | Bus bar 1: 60 x 30 mm<br>Round conductor: 30 mm<br>Transformer width: 88 mm                              | Current range: 200 ... 1000 A | Page: 158 |
| <b>SASK 105.6</b> | Bus bar 1: 100 x 55 mm<br>Round conductor: 55 mm<br>Transformer width: 129 mm                            | Current range: 600 ... 1600 A | Page: 159 |

## Protection current transformers – Technical concepts

**Application:** Current transformers are for the galvanic separation, proportional transformation of alternating currents of larger currents into smaller, direct measurable values. There are two categories subject to their application:

- Measuring current transformers
- Protection current transformers

All current transformers manufactured by MBS are for low voltage applications with a max. phase to phase voltage of 0.72 kV.

**Measuring current transformers:** Measuring transformers are used to measure current, power, power factor and energy consumption combined with an equivalent measurement unit. Using its magnetic circle, current transformers allow a high transmission accuracy in the nominal current range, whilst simultaneously protecting the connected appliances against over current. The magnetic saturation in the measuring core ensures protection in the event of an over current.

**Protection current transformers:** Protection current transformers are for the control of protecting relays which have the task to separate switched circuits in the event of over current. For a save function of these relays a proportional transfer ratio of the transformer up to a multiple of the nominal current is necessary. The dimensioning of this transformer unit secures a proportional current transfer, up to a multiple of the nominal currents, determined by the protection class.

**Technical standards:** All MBS current transformers are produced in accordance with the technical requirements of IEC 61869-1 + 2 (former DIN EN 60044-1)

**Technical characteristics:** Application use: Indoors, without condensation

**Protection current transformers:**

- Ambient temperature:  $-5^{\circ}\text{C} \dots +40^{\circ}\text{C}$ .
- Housing material: Polycarbonate, self-extinguishing
- Housing form: halve-cup shaped, ultrasonically welded
- Isolation class: E
- Thermal rated nominal continuous current:  $1.2 \times I_N$
- Secondary rated currents: 5 A or 1 A
- Thermal rated short-time current:  $60 \times I_N$  (max. 100 kA)
- Max. excess temperature of the secondary winding: 75 K
- Isolation test voltage:  $3 \text{ kV } U_{\text{eff}}; 50 \text{ Hz, 1 min}$

**Safety instructions:** The protection current transformer's physical characteristics has its many advantages and with all these built-in features it is very easy to attend to this transformer with their secondary circuits open. This can be very harmful to the operator or transformers as multiple kilovolt surges can occure. In order to prevent any mishaps an operation as described above ist forbidden.

**Ordering instructions:** For the correct processing of your order, please make available the following specification:

Transformer type  
Transmission ratio  
Accuracy class  
Rated burden

| Accuracy classes of current transformers |                                |      |      |      |      |      |  |                                                 |     |     |     |      |      |                                     |
|------------------------------------------|--------------------------------|------|------|------|------|------|--|-------------------------------------------------|-----|-----|-----|------|------|-------------------------------------|
| Class                                    | Current error (± %) by % $I_N$ |      |      |      |      |      |  | Phase displacement error (± minutes) by % $I_N$ |     |     |     |      |      | Total error<br>by<br>$n \times I_N$ |
|                                          | 1%                             | 5%   | 20%  | 50%  | 100% | 120% |  | 1%                                              | 5%  | 20% | 50% | 100% | 120% |                                     |
|                                          |                                |      |      |      |      |      |  |                                                 |     |     |     |      |      |                                     |
| Measuring current transformer            |                                |      |      |      |      |      |  |                                                 |     |     |     |      |      |                                     |
| 0.2s                                     | 0,75                           | 0,35 | 0,20 | –    | 0,20 | 0,20 |  | 30                                              | 15  | 10  | –   | 10   | 10   | >10                                 |
| 0.2                                      | –                              | 0,75 | 0,35 | –    | 0,20 | 0,20 |  | –                                               | 30  | 15  | –   | 10   | 10   | >10                                 |
| 0.5s                                     | 1,50                           | 0,75 | 0,50 | –    | 0,50 | 0,50 |  | 90                                              | 45  | 30  | –   | 30   | 30   | >10                                 |
| 0.5                                      | –                              | 1,50 | 0,75 | –    | 0,50 | 0,50 |  | –                                               | 90  | 45  | –   | 30   | 30   | >10                                 |
| 1                                        | –                              | 3,00 | 1,50 | –    | 1,00 | 1,00 |  | –                                               | 180 | 90  | –   | 60   | 60   | >10                                 |
| 3                                        | –                              | –    | 3,00 | 3,00 | 3,00 | 3,00 |  | –                                               | –   | –   | 120 | 120  | 120  | >10                                 |
| Protection current transformer           |                                |      |      |      |      |      |  |                                                 |     |     |     |      |      |                                     |
| 5P(n)                                    | –                              | 3,00 | 1,50 | –    | 1,00 | 1,00 |  | –                                               | 180 | 90  | –   | 60   | 60   | < 5                                 |
| 10P(n)                                   | –                              | –    | –    | 3,00 | 3,00 | 3,00 |  | –                                               | –   | –   | 120 | 120  | 120  | <10                                 |
| n... over current limiting factor        |                                |      |      |      |      |      |  |                                                 |     |     |     |      |      |                                     |

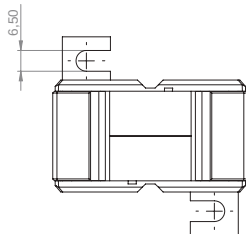
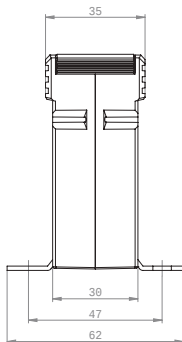
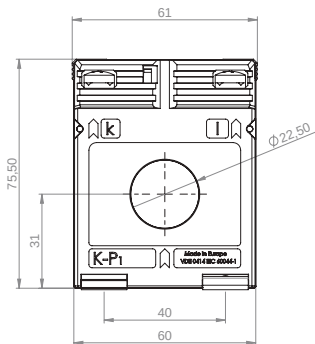


## SASR 22.3

### Protection tube current transformer



Round conductor 22,5 mm  
Transformer width 61 mm  
Height 75,5 mm  
Depth 35 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P5<br>Art.-no. | 1 A<br>Cl. 10P5<br>Art.-no. |
| 100                 | 1           |                               |                             | S04-1316B                  | S04-1317B                   |
| 125                 | 1           | S04-1506B                     | S04-1507B                   |                            |                             |
|                     | 1,5         |                               |                             | S04-1516C                  | S04-1517C                   |
| 150                 | 1           | S04-1606B                     | S04-1607B                   |                            |                             |
|                     | 1,5         |                               |                             | S04-1616C                  | S04-1617C                   |
| 200                 | 1           | S04-1706B                     | S04-1707B                   |                            |                             |
|                     | 1,5         |                               |                             | S04-1716C                  | S04-1717C                   |
| 250                 | 1           | S04-1806B                     | S04-1807B                   |                            |                             |
|                     | 1,5         |                               |                             | S04-1816C                  | S04-1817C                   |
| 300                 | 1           | S04-1906B                     | S04-1907B                   |                            |                             |
|                     | 1,5         |                               | S04-1907C                   | S04-1916C                  | S04-1917C                   |

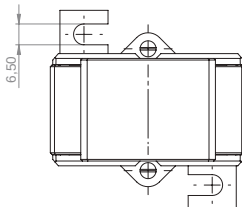
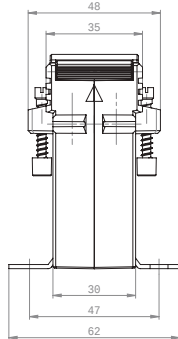
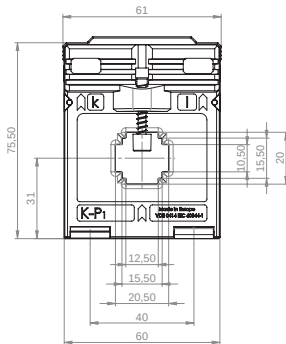
|                                                                                   |                                 | Art.-no.     |
|-----------------------------------------------------------------------------------|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |

## SASK 21.3

Protection plug-in current transformer



Bus bar 1                    20 x 10 mm  
 Round conductor           19,2 mm  
 Transformer width        61 mm  
 Height                      75,5 mm  
 Depth                        48 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P5<br>Art.-no. | 1 A<br>Cl. 10P5<br>Art.-no. |
| 125                 | 1           | S03-1506B                     | S03-1507B                   |                            |                             |
|                     | 1,5         |                               |                             | S03-1516C                  | S03-1517C                   |
| 150                 | 1           | S03-1606B                     | S03-1607B                   |                            |                             |
|                     | 1,5         |                               |                             | S03-1616C                  | S03-1617C                   |
| 200                 | 1           | S03-1706B                     | S03-1707B                   |                            |                             |
|                     | 1,5         |                               |                             | S03-1716C                  | S03-1717C                   |

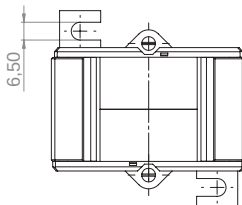
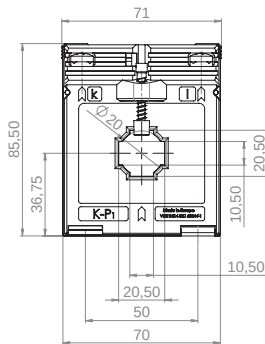
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |

## SASK 421.4

Protection plug-in current transformer



Bus bar 1                    20 x 10 mm  
 Round conductor            20 mm  
 Transformer width        71 mm  
 Height                        85,5 mm  
 Depth                         58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P5<br>Art.-no. | 1 A<br>Cl. 10P5<br>Art.-no. |
| 100                 | 2,5         | S23-1306D                     | S23-1307D                   | S23-1316D                  | S23-1317D                   |
| 150                 | 2,5         | S23-1606D                     | S23-1607D                   | S23-1616D                  | S23-1617D                   |
| 200                 | 1,5         | S23-1706C                     | S23-1707C                   | S23-1716C                  | S23-1717C                   |
|                     | 2,5         | S23-1706D                     | S23-1707D                   | S23-1716D                  | S23-1717D                   |
| 250                 | 1,5         | S23-1806C                     | S23-1807C                   | S23-1816C                  | S23-1817C                   |
|                     | 2,5         | S23-1806D                     | S23-1807D                   | S23-1816D                  | S23-1817D                   |
| 300                 | 1,5         | S23-1906C                     | S23-1907C                   | S23-1916C                  | S23-1917C                   |
|                     | 2,5         | S23-1906D                     | S23-1907D                   | S23-1916D                  | S23-1917D                   |
| 400                 | 1,5         | S23-2006C                     | S23-2007C                   | S23-2016C                  | S23-2017C                   |
|                     | 2,5         | S23-2006D                     | S23-2007D                   | S23-2016D                  | S23-2017D                   |

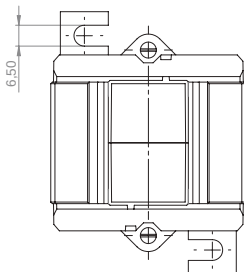
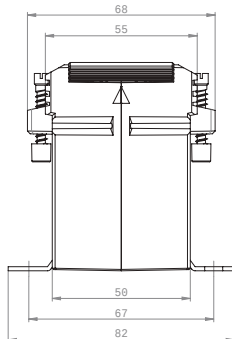
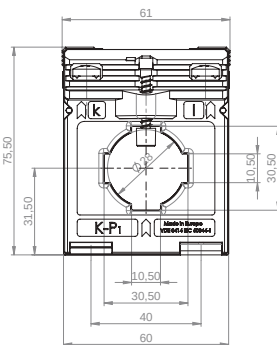
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type B</b> | <b>59041</b> |

## SASK 31.5

Protection plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 28 mm          |
| Transformer width | 61 mm          |
| Height            | 75,5 mm        |
| Depth             | 68 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P5<br>Art.-no. | 1 A<br>Cl. 10P5<br>Art.-no. |
| 75                  | 1           |                               |                             | S17-1116B                  | S17-1117B                   |
| 80                  | 1           |                               |                             | S17-1216B                  | S17-1217B                   |
| 100                 | 1           | S17-1306B                     | S17-1307B                   |                            |                             |
|                     | 1,5         |                               |                             | S17-1316C                  | S17-1317C                   |
| 125                 | 1           | S17-1506B                     | S17-1507B                   |                            |                             |
|                     | 1,5         |                               | S17-1507C                   | S17-1516C                  | S17-1517C                   |
| 150                 | 1           | S17-1606B                     | S17-1607B                   |                            |                             |
|                     | 1,5         | S17-1606C                     | S17-1607C                   | S17-1616C                  | S17-1617C                   |
| 200                 | 1           | S17-1706B                     | S17-1707B                   |                            |                             |
|                     | 1,5         | S17-1706C                     | S17-1707C                   | S17-1716C                  | S17-1717C                   |
|                     | 2,5         | S17-1706D                     | S17-1707D                   | S17-1716D                  | S17-1717D                   |
| 250                 | 1,5         | S17-1806C                     | S17-1807C                   | S17-1816C                  | S17-1817C                   |
|                     | 2,5         | S17-1806D                     | S17-1807D                   | S17-1816D                  | S17-1817D                   |
| 300                 | 1,5         | S17-1906C                     | S17-1907C                   | S17-1916C                  | S17-1917C                   |
|                     | 2,5         | S17-1906D                     | S17-1907D                   | S17-1916D                  | S17-1917D                   |
| 400                 | 1,5         | S17-2006C                     | S17-2007C                   | S17-2016C                  | S17-2017C                   |
|                     | 2,5         | S17-2006D                     | S17-2007D                   | S17-2016D                  | S17-2017D                   |
| 500                 | 1,5         | S17-2106C                     | S17-2107C                   | S17-2116C                  | S17-2117C                   |
|                     | 2,5         | S17-2106D                     | S17-2107D                   | S17-2116D                  | S17-2117D                   |
| 600                 | 1,5         | S17-2206C                     | S17-2207C                   | S17-2216C                  | S17-2217C                   |
|                     | 2,5         | S17-2206D                     | S17-2207D                   | S17-2216D                  | S17-2217D                   |
| 750                 | 1,5         | S17-2306C                     | S17-2307C                   | S17-2316C                  | S17-2317C                   |
|                     | 2,5         | S17-2306D                     | S17-2307D                   | S17-2316D                  | S17-2317D                   |

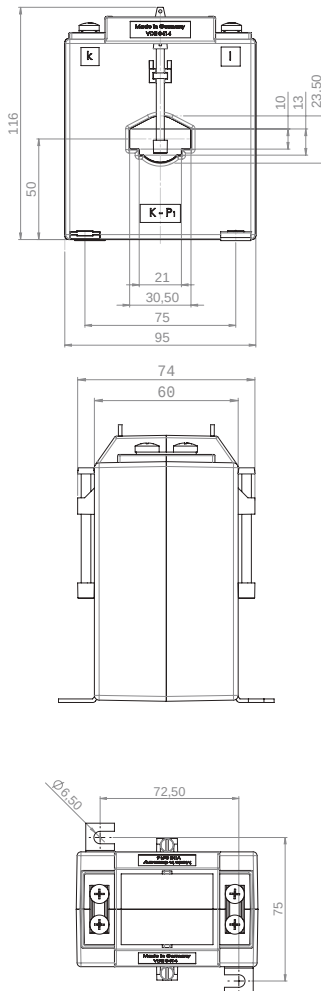
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type C</b> | <b>55011</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## SASK 31.6

### Protection plug-in current transformer



Bus bar 1            30 x 10 mm  
 Bus bar 2            20 x 13 mm  
 Round conductor    23 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



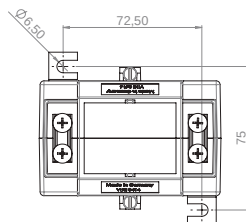
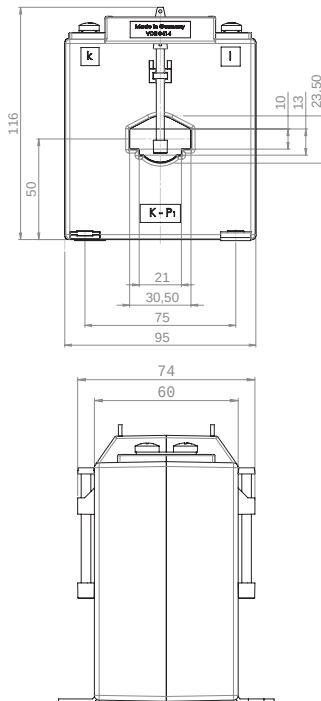
| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 5 A<br>Cl. 5P10<br>Art.-no. |
| 50                  | 1,5         | S19-0906C                     | S19-0907C                   |                             |
|                     | 2,5         | S19-0906D                     | S19-0907D                   |                             |
| 60                  | 1,5         | S19-1006C                     | S19-1007C                   |                             |
|                     | 2,5         | S19-1006D                     | S19-1007D                   |                             |
| 80                  | 1,5         |                               |                             | S19-1208C                   |
|                     | 2,5         | S19-1206D                     | S19-1207D                   |                             |
|                     | 5           | S19-1206F                     | S19-1207F                   |                             |
| 100                 | 1,5         | S19-1306C                     | S19-1307C                   | S19-1308C                   |
|                     | 2,5         | S19-1306D                     | S19-1307D                   | S19-1308D                   |
|                     | 5           | S19-1306F                     | S19-1307F                   |                             |
| 150                 | 2,5         | S19-1606D                     | S19-1607D                   | S19-1608D                   |
|                     | 5           | S19-1606F                     | S19-1607F                   | S19-1608F                   |
|                     | 7,5         | S19-1606G                     | S19-1607G                   |                             |
| 200                 | 2,5         | S19-1706D                     | S19-1707D                   | S19-1708D                   |
|                     | 5           | S19-1706F                     | S19-1707F                   | S19-1708F                   |
|                     | 7,5         | S19-1706G                     | S19-1707G                   |                             |
|                     | 10          | S19-1706H                     | S19-1707H                   |                             |
| 250                 | 2,5         | S19-1806D                     | S19-1807D                   | S19-1808D                   |
|                     | 5           | S19-1806F                     | S19-1807F                   | S19-1808F                   |
|                     | 7,5         | S19-1806G                     | S19-1807G                   |                             |
|                     | 10          | S19-1806H                     | S19-1807H                   |                             |
| 300                 | 2,5         | S19-1906D                     | S19-1907D                   | S19-1908D                   |
|                     | 5           | S19-1906F                     | S19-1907F                   | S19-1908F                   |
|                     | 10          | S19-1906H                     | S19-1907H                   |                             |
| 400                 | 2,5         | S19-2006D                     | S19-2007D                   | S19-2008D                   |
|                     | 5           | S19-2006F                     | S19-2007F                   | S19-2008F                   |
|                     | 7,5         | S19-2006G                     | S19-2007G                   | S19-2008G                   |
|                     | 10          | S19-2006H                     | S19-2007H                   | S19-2008H                   |
|                     | 15          | S19-2006J                     | S19-2007J                   |                             |
| 500                 | 2,5         | S19-2106D                     | S19-2107D                   | S19-2108D                   |
|                     | 5           | S19-2106F                     | S19-2107F                   | S19-2108F                   |
|                     | 7,5         | S19-2106G                     | S19-2107G                   | S19-2108G                   |
|                     | 10          | S19-2106H                     | S19-2107H                   | S19-2108H                   |
|                     | 15          | S19-2106J                     | S19-2107J                   |                             |
| 600                 | 2,5         | S19-2206D                     | S19-2207D                   | S19-2208D                   |
|                     | 5           | S19-2206F                     | S19-2207F                   | S19-2208F                   |
|                     | 7,5         | S19-2206G                     | S19-2207G                   | S19-2208G                   |
|                     | 10          | S19-2206H                     | S19-2207H                   | S19-2208H                   |
|                     | 15          | S19-2206J                     | S19-2207J                   |                             |
| 750                 | 2,5         | S19-2306D                     | S19-2307D                   | S19-2308D                   |
|                     | 5           | S19-2306F                     | S19-2307F                   | S19-2308F                   |
|                     | 7,5         | S19-2306G                     | S19-2307G                   | S19-2308G                   |
|                     | 10          | S19-2306H                     | S19-2307H                   | S19-2308H                   |
|                     | 15          | S19-2306J                     | S19-2307J                   |                             |

## SASK 31.6

Protection plug-in current transformer



Bus bar 1            30 x 10 mm  
 Bus bar 2            20 x 13 mm  
 Round conductor    23 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|------------------------------|
|                     |             | 5 A<br>Cl. 10P10<br>Art.-no.  | 5 A<br>Cl. 5P15<br>Art.-no. | 5 A<br>Cl. 10P15<br>Art.-no. |
| 60                  | 1,5         | S19-1009C                     |                             |                              |
| 80                  | 1,5         | S19-1209C                     |                             |                              |
| 100                 | 1,5         | S19-1309C                     | S19-130AC                   | S19-130BC                    |
|                     | 2,5         | S19-1309D                     |                             |                              |
| 150                 | 2,5         | S19-1609D                     | S19-160AD                   | S19-160BD                    |
|                     | 5           | S19-1609F                     |                             |                              |
| 200                 | 2,5         | S19-1709D                     | S19-170AD                   | S19-170BD                    |
|                     | 5           | S19-1709F                     |                             |                              |
| 250                 | 2,5         | S19-1809D                     | S19-180AD                   | S19-180BD                    |
|                     | 5           | S19-1809F                     |                             |                              |
| 300                 | 2,5         | S19-1909D                     | S19-190AD                   | S19-190BD                    |
|                     | 5           | S19-1909F                     |                             |                              |
| 400                 | 2,5         | S19-2009D                     | S19-200AD                   | S19-200BD                    |
|                     | 5           | S19-2009F                     | S19-200AF                   | S19-200BF                    |
|                     | 7,5         | S19-2009G                     |                             |                              |
|                     | 10          | S19-2009H                     |                             |                              |
| 500                 | 2,5         | S19-2109D                     | S19-210AD                   | S19-210BD                    |
|                     | 5           | S19-2109F                     | S19-210AF                   | S19-210BF                    |
|                     | 7,5         | S19-2109G                     |                             |                              |
|                     | 10          | S19-2109H                     |                             |                              |
| 600                 | 2,5         | S19-2209D                     | S19-220AD                   | S19-220BD                    |
|                     | 5           | S19-2209F                     | S19-220AF                   | S19-220BF                    |
|                     | 7,5         | S19-2209G                     |                             |                              |
|                     | 10          | S19-2209H                     |                             |                              |
| 750                 | 2,5         | S19-2309D                     | S19-230AD                   | S19-230BD                    |
|                     | 5           | S19-2309F                     | S19-230AF                   | S19-230BF                    |
|                     | 7,5         | S19-2309G                     |                             |                              |
|                     | 10          | S19-2309H                     |                             |                              |

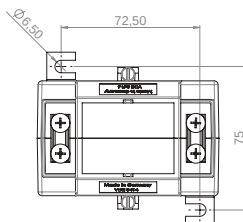
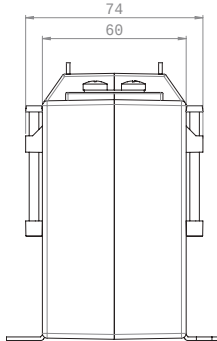
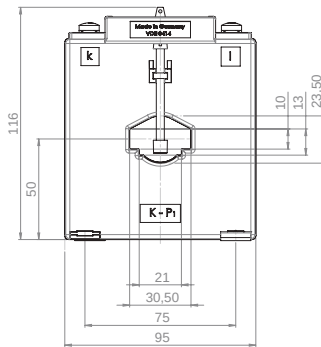
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type E</b> | <b>59044</b> |

## SASK 31.6

### Protection plug-in current transformer



Bus bar 1            30 x 10 mm  
 Bus bar 2            20 x 13 mm  
 Round conductor    23 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



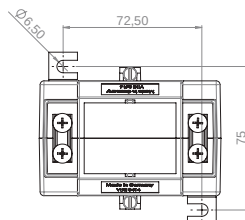
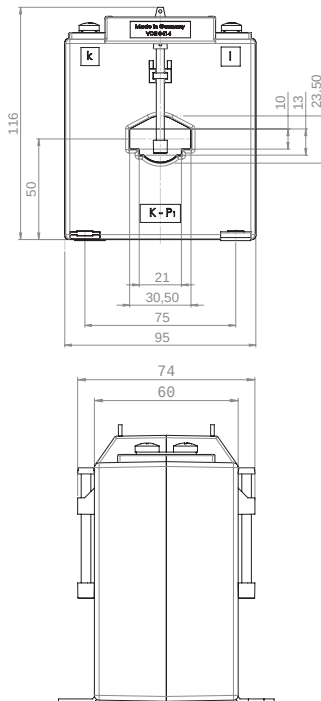
| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|
|                     |             | 1 A<br>Cl. 5P5<br>Art.-no.    | 1 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P10<br>Art.-no. |
| 50                  | 1,5         | S19-0916C                     | S19-0917C                   |                             |
|                     | 2,5         | S19-0916D                     | S19-0917D                   |                             |
| 60                  | 1,5         | S19-1016C                     | S19-1017C                   | S19-1018C                   |
|                     | 2,5         | S19-1016D                     | S19-1017D                   |                             |
| 80                  | 1,5         | S19-1216C                     | S19-1217C                   | S19-1218C                   |
|                     | 2,5         | S19-1216D                     | S19-1217D                   | S19-1218D                   |
|                     | 5           |                               | S19-1217F                   |                             |
| 100                 | 2,5         | S19-1316D                     | S19-1317D                   | S19-1318D                   |
|                     | 5           | S19-1316F                     | S19-1317F                   |                             |
| 150                 | 2,5         | S19-1616D                     | S19-1617D                   | S19-1618D                   |
|                     | 5           | S19-1616F                     | S19-1617F                   | S19-1618F                   |
| 200                 | 2,5         | S19-1716D                     | S19-1717D                   | S19-1718D                   |
|                     | 5           | S19-1716F                     | S19-1717F                   | S19-1718F                   |
|                     | 7,5         | S19-1716G                     | S19-1717G                   |                             |
|                     | 10          | S19-1716H                     | S19-1717H                   |                             |
| 250                 | 2,5         | S19-1816D                     | S19-1817D                   | S19-1818D                   |
|                     | 5           | S19-1816F                     | S19-1817F                   | S19-1818F                   |
|                     | 7,5         | S19-1816G                     | S19-1817G                   |                             |
| 300                 | 2,5         | S19-1916D                     | S19-1917D                   | S19-1918D                   |
|                     | 5           | S19-1916F                     | S19-1917F                   | S19-1918F                   |
|                     | 10          | S19-1916H                     | S19-1917H                   |                             |
| 400                 | 2,5         | S19-2016D                     | S19-2017D                   | S19-2018D                   |
|                     | 5           | S19-2016F                     | S19-2017F                   | S19-2018F                   |
|                     | 7,5         | S19-2016G                     | S19-2017G                   | S19-2018G                   |
|                     | 10          | S19-2016H                     | S19-2017H                   | S19-2018H                   |
| 500                 | 15          | S19-2016J                     | S19-2017J                   |                             |
|                     | 2,5         | S19-2116D                     | S19-2117D                   | S19-2118D                   |
|                     | 5           | S19-2116F                     | S19-2117F                   | S19-2118F                   |
|                     | 7,5         | S19-2116G                     | S19-2117G                   | S19-2118G                   |
|                     | 10          | S19-2116H                     | S19-2117H                   | S19-2118H                   |
| 600                 | 15          | S19-2116J                     | S19-2117J                   |                             |
|                     | 2,5         | S19-2216D                     | S19-2217D                   | S19-2218D                   |
|                     | 5           | S19-2216F                     | S19-2217F                   | S19-2218F                   |
|                     | 7,5         | S19-2216G                     | S19-2217G                   | S19-2218G                   |
|                     | 10          | S19-2216H                     | S19-2217H                   | S19-2218H                   |
| 750                 | 15          | S19-2216J                     | S19-2217J                   |                             |
|                     | 2,5         | S19-2316D                     | S19-2317D                   | S19-2318D                   |
|                     | 5           | S19-2316F                     | S19-2317F                   | S19-2318F                   |
|                     | 7,5         | S19-2316G                     | S19-2317G                   | S19-2318G                   |
|                     | 10          | S19-2316H                     | S19-2317H                   | S19-2318H                   |
|                     | 15          | S19-2316J                     | S19-2317J                   |                             |

## SASK 31.6

Protection plug-in current transformer



Bus bar 1            30 x 10 mm  
 Bus bar 2            20 x 13 mm  
 Round conductor    23 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 10P10<br>Art.-no.  | 1 A<br>Cl. 5P15<br>Art.-no. | 1 A<br>Cl. 10P15<br>Art.-no. |
| 60                  | 1,5         | S19-1019C                     |                             |                              |
| 80                  | 1,5         | S19-1219C                     |                             |                              |
|                     | 2,5         | S19-1219D                     |                             |                              |
| 100                 | 1,5         |                               | S19-131AC                   | S19-131BC                    |
|                     | 2,5         | S19-1319D                     |                             |                              |
| 150                 | 2,5         | S19-1619D                     | S19-161AD                   | S19-161BD                    |
|                     | 5           | S19-1619F                     |                             |                              |
| 200                 | 2,5         | S19-1719D                     | S19-171AD                   | S19-171BD                    |
|                     | 5           | S19-1719F                     |                             |                              |
| 250                 | 2,5         | S19-1819D                     | S19-181AD                   | S19-181BD                    |
|                     | 5           | S19-1819F                     |                             |                              |
| 300                 | 2,5         | S19-1919D                     | S19-191AD                   | S19-191BD                    |
|                     | 5           | S19-1919F                     |                             |                              |
| 400                 | 2,5         | S19-2019D                     | S19-201AD                   | S19-201BD                    |
|                     | 5           | S19-2019F                     | S19-201AF                   | S19-201BF                    |
|                     | 7,5         | S19-2019G                     |                             |                              |
|                     | 10          | S19-2019H                     |                             |                              |
| 500                 | 2,5         | S19-2119D                     | S19-211AD                   | S19-211BD                    |
|                     | 5           | S19-2119F                     | S19-211AF                   | S19-211BF                    |
|                     | 7,5         | S19-2119G                     |                             |                              |
|                     | 10          | S19-2119H                     |                             |                              |
| 600                 | 2,5         | S19-2219D                     | S19-221AD                   | S19-221BD                    |
|                     | 5           | S19-2219F                     | S19-221AF                   | S19-221BF                    |
|                     | 7,5         | S19-2219G                     |                             |                              |
|                     | 10          | S19-2219H                     |                             |                              |
| 750                 | 2,5         | S19-2319D                     | S19-231AD                   | S19-231BD                    |
|                     | 5           | S19-2319F                     | S19-231AF                   | S19-231BF                    |
|                     | 7,5         | S19-2319G                     |                             |                              |
|                     | 10          | S19-2319H                     |                             |                              |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type E</b> | <b>59044</b> |

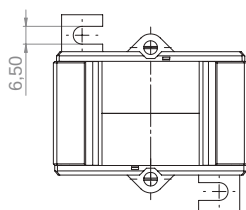
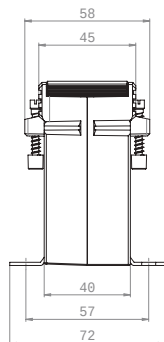
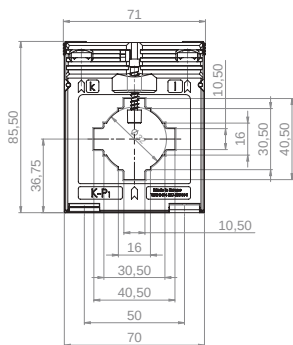


## SASK 41.4

Protection plug-in current transformer



|                   |               |
|-------------------|---------------|
| Bus bar 1         | 40 x 10 mm    |
| Bus bar 2         | 2 x 30 x 5 mm |
| Round conductor   | 32 mm         |
| Transformer width | 71 mm         |
| Height            | 85,5 mm       |
| Depth             | 58 mm         |



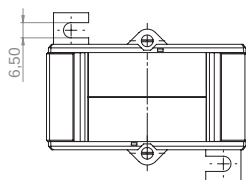
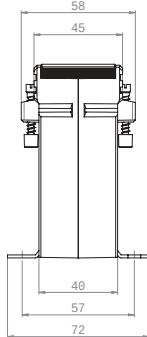
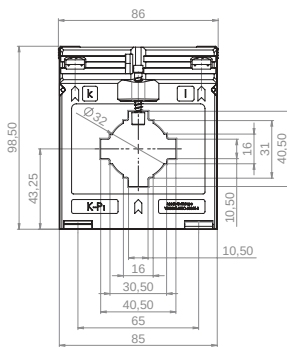
| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P5<br>Art.-no. | 1 A<br>Cl. 10P5<br>Art.-no. |
| 100                 | 1           | S24-1306B                     | S24-1307B                   | S24-1316B                  | S24-1317B                   |
| 120                 | 1           | S24-1406B                     | S24-1407B                   | S24-1416B                  | S24-1417B                   |
| 125                 | 1           | S24-1506B                     | S24-1507B                   | S24-1516B                  | S24-1517B                   |
| 150                 | 1           | S24-1606B                     | S24-1607B                   |                            |                             |
|                     | 1,5         |                               | S24-1607C                   | S24-1616C                  | S24-1617C                   |
| 200                 | 1,5         | S24-1706C                     | S24-1707C                   | S24-1716C                  | S24-1717C                   |
| 250                 | 1,5         | S24-1806C                     | S24-1807C                   | S24-1816C                  | S24-1817C                   |
|                     | 2,5         |                               | S24-1807D                   | S24-1816D                  | S24-1817D                   |
| 300                 | 1,5         | S24-1906C                     | S24-1907C                   | S24-1916C                  | S24-1917C                   |
|                     | 2,5         | S24-1906D                     | S24-1907D                   | S24-1916D                  | S24-1917D                   |
| 400                 | 1,5         | S24-2006C                     | S24-2007C                   | S24-2016C                  | S24-2017C                   |
|                     | 2,5         | S24-2006D                     | S24-2007D                   | S24-2016D                  | S24-2017D                   |
| 500                 | 1,5         | S24-2106C                     | S24-2107C                   | S24-2116C                  | S24-2117C                   |
|                     | 2,5         |                               |                             | S24-2116D                  | S24-2117D                   |
| 600                 | 1,5         | S24-2206C                     | S24-2207C                   | S24-2216C                  | S24-2217C                   |
|                     | 2,5         |                               |                             | S24-2216D                  | S24-2217D                   |
| 750                 | 1,5         | S24-2306C                     | S24-2307C                   | S24-2316C                  | S24-2317C                   |
|                     | 2,5         |                               | S24-2307D                   | S24-2316D                  | S24-2317D                   |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type D</b> | <b>55012</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## Protection plug-in current transformer



|                   |               |
|-------------------|---------------|
| Bus bar 1         | 40 x 10 mm    |
| Bus bar 2         | 2 x 30 x 5 mm |
| Round conductor   | 32 mm         |
| Transformer width | 86 mm         |
| Height            | 98,5 mm       |
| Depth             | 58 mm         |



|                     |             | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 5 A<br>Cl. 5P10<br>Art.-no. | 5 A<br>Cl. 10P10<br>Art.-no. |
| 100                 | 1           | S33-1306B                     | S33-1307B                   |                             |                              |
|                     | 1,5         | S33-1306C                     | S33-1307C                   |                             |                              |
| 125                 | 1           | S33-1506B                     | S33-1507B                   |                             |                              |
|                     | 1,5         | S33-1506C                     | S33-1507C                   |                             |                              |
|                     | 2,5         |                               | S33-1507D                   |                             |                              |
| 150                 | 1,5         | S33-1606C                     | S33-1607C                   |                             |                              |
|                     | 2,5         | S33-1606D                     | S33-1607D                   |                             |                              |
| 200                 | 1,5         | S33-1706C                     | S33-1707C                   |                             |                              |
|                     | 2,5         | S33-1706D                     | S33-1707D                   |                             |                              |
| 250                 | 1,5         | S33-1806C                     | S33-1807C                   |                             | S33-1809C                    |
|                     | 2,5         | S33-1806D                     | S33-1807D                   |                             |                              |
| 300                 | 1,5         | S33-1906C                     | S33-1907C                   | S33-1908C                   | S33-1909C                    |
|                     | 2,5         | S33-1906D                     | S33-1907D                   |                             |                              |
|                     | 5           |                               | S33-1907F                   |                             |                              |
| 400                 | 1,5         | S33-2006C                     | S33-2007C                   | S33-2008C                   | S33-2009C                    |
|                     | 2,5         | S33-2006D                     | S33-2007D                   |                             |                              |
|                     | 5           | S33-2006F                     | S33-2007F                   |                             |                              |
| 500                 | 1,5         | S33-2106C                     | S33-2107C                   | S33-2108C                   | S33-2109C                    |
|                     | 2,5         | S33-2106D                     | S33-2107D                   | S33-2108D                   | S33-2109D                    |
|                     | 5           | S33-2106F                     | S33-2107F                   |                             |                              |
|                     | 7,5         |                               | S33-2107G                   |                             |                              |
| 600                 | 1,5         | S33-2206C                     | S33-2207C                   | S33-2208C                   | S33-2209C                    |
|                     | 2,5         | S33-2206D                     | S33-2207D                   | S33-2208D                   | S33-2209D                    |
|                     | 5           | S33-2206F                     | S33-2207F                   |                             |                              |
|                     | 7,5         |                               | S33-2207G                   |                             |                              |
| 750                 | 2,5         | S33-2306D                     | S33-2307D                   | S33-2308D                   | S33-2309D                    |
|                     | 5           | S33-2306F                     | S33-2307F                   |                             |                              |
|                     | 7,5         | S33-2306G                     | S33-2307G                   |                             |                              |
|                     | 10          | S33-2306H                     | S33-2307H                   |                             |                              |
| 1000                | 2,5         | S33-2506D                     | S33-2507D                   | S33-2508D                   | S33-2509D                    |
|                     | 5           | S33-2506F                     | S33-2507F                   |                             |                              |
|                     | 7,5         | S33-2506G                     | S33-2507G                   |                             |                              |
|                     | 10          | S33-2506H                     | S33-2507H                   |                             |                              |

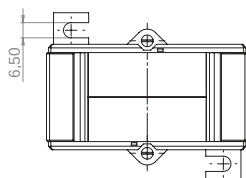
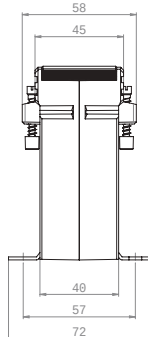
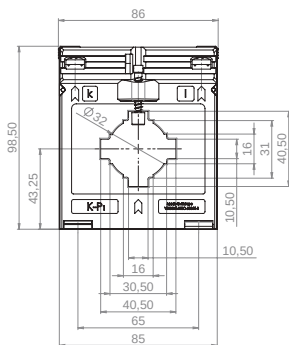
|                                                                                     |                               |                 |
|-------------------------------------------------------------------------------------|-------------------------------|-----------------|
|                                                                                     |                               | <b>Art.-no.</b> |
|  | <b>Snap-on mounting</b>       | –               |
|  | <b>Sealed shutter, type C</b> | <b>59042</b>    |

## SASK 541.4

Protection plug-in current transformer



Bus bar 1            40 x 10 mm  
 Bus bar 2            2 x 30 x 5 mm  
 Round conductor    32 mm  
 Transformer width   86 mm  
 Height                98,5 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 5P5<br>Art.-no.    | 1 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P10<br>Art.-no. | 1 A<br>Cl. 10P10<br>Art.-no. |
| 100                 | 1           | S33-1316B                     | S33-1317B                   |                             |                              |
|                     | 1,5         | S33-1316C                     | S33-1317C                   |                             |                              |
| 125                 | 1           | S33-1516B                     | S33-1517B                   |                             |                              |
|                     | 1,5         | S33-1516C                     | S33-1517C                   |                             |                              |
|                     | 2,5         | S33-1516D                     | S33-1517D                   |                             |                              |
| 150                 | 1,5         | S33-1616C                     | S33-1617C                   |                             |                              |
|                     | 2,5         | S33-1616D                     | S33-1617D                   |                             |                              |
| 200                 | 1,5         | S33-1716C                     | S33-1717C                   |                             |                              |
|                     | 2,5         | S33-1716D                     | S33-1717D                   |                             |                              |
| 250                 | 1,5         | S33-1816C                     | S33-1817C                   | S33-1818C                   | S33-1819C                    |
|                     | 2,5         | S33-1816D                     | S33-1817D                   |                             |                              |
| 300                 | 1,5         | S33-1916C                     | S33-1917C                   | S33-1918C                   | S33-1919C                    |
|                     | 2,5         | S33-1916D                     | S33-1917D                   |                             |                              |
|                     | 5           |                               | S33-1917F                   |                             |                              |
| 400                 | 1,5         | S33-2016C                     | S33-2017C                   | S33-2018C                   | S33-2019C                    |
|                     | 2,5         | S33-2016D                     | S33-2017D                   |                             |                              |
|                     | 5           | S33-2016F                     | S33-2017F                   |                             |                              |
| 500                 | 1,5         | S33-2116C                     | S33-2117C                   | S33-2118C                   | S33-2119C                    |
|                     | 2,5         | S33-2116D                     | S33-2117D                   | S33-2118D                   | S33-2119D                    |
|                     | 5           | S33-2116F                     | S33-2117F                   |                             |                              |
| 600                 | 1,5         | S33-2216C                     | S33-2217C                   | S33-2218C                   | S33-2219C                    |
|                     | 2,5         | S33-2216D                     | S33-2217D                   | S33-2218D                   | S33-2219D                    |
|                     | 5           | S33-2216F                     | S33-2217F                   |                             |                              |
|                     | 7,5         |                               | S33-2217G                   |                             |                              |
| 750                 | 1,5         | S33-2316C                     | S33-2317C                   | S33-2318C                   | S33-2319C                    |
|                     | 2,5         | S33-2316D                     | S33-2317D                   | S33-2318D                   | S33-2319D                    |
|                     | 5           | S33-2316F                     | S33-2317F                   |                             |                              |
|                     | 7,5         | S33-2316G                     | S33-2317G                   |                             |                              |
|                     | 10          | S33-2316H                     | S33-2317H                   |                             |                              |
| 1000                | 2,5         | S33-2516D                     | S33-2517D                   | S33-2518D                   | S33-2519D                    |
|                     | 5           | S33-2516F                     | S33-2517F                   |                             | S33-2519F                    |
|                     | 7,5         | S33-2516G                     | S33-2517G                   |                             |                              |
|                     | 10          | S33-2516H                     | S33-2517H                   |                             |                              |

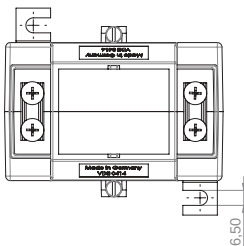
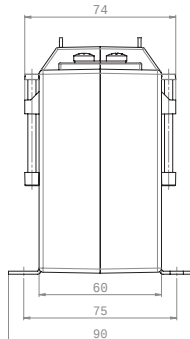
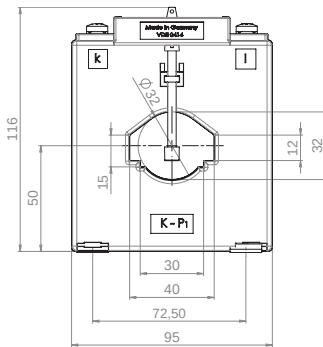
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | -            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## SASK 41.6

Protection plug-in current transformer



Bus bar 1            40 x 12 mm  
 Bus bar 2            30 x 15 mm  
 Round conductor    32 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 5 A<br>Cl. 5P10<br>Art.-no. | 5 A<br>Cl. 10P10<br>Art.-no. |
| 75                  | 1,5         | S30-1106C                     | S30-1107C                   | S30-1108C                   | S30-1109C                    |
|                     | 2,5         | S30-1106D                     | S30-1107D                   |                             |                              |
| 100                 | 1,5         | S30-1306C                     | S30-1307C                   | S30-1308C                   | S30-1309C                    |
|                     | 2,5         | S30-1306D                     | S30-1307D                   | S30-1308D                   | S30-1309D                    |
|                     | 5           | S30-1306F                     | S30-1307F                   |                             |                              |
| 150                 | 2,5         | S30-1606D                     | S30-1607D                   | S30-1608D                   | S30-1609D                    |
|                     | 5           | S30-1606F                     | S30-1607F                   |                             |                              |
| 200                 | 2,5         | S30-1706D                     | S30-1707D                   | S30-1708D                   | S30-1709D                    |
|                     | 5           | S30-1706F                     | S30-1707F                   |                             | S30-1709F                    |
|                     | 7,5         | S30-1706G                     | S30-1707G                   |                             |                              |
|                     | 10          | S30-1706H                     | S30-1707H                   |                             |                              |
| 250                 | 2,5         | S30-1806D                     | S30-1807D                   | S30-1808D                   | S30-1809D                    |
|                     | 5           | S30-1806F                     | S30-1807F                   | S30-1808F                   | S30-1809F                    |
|                     | 7,5         | S30-1806G                     | S30-1807G                   |                             |                              |
|                     | 10          | S30-1806H                     | S30-1807H                   |                             |                              |
| 300                 | 2,5         | S30-1906D                     | S30-1907D                   | S30-1908D                   | S30-1909D                    |
|                     | 5           | S30-1906F                     | S30-1907F                   | S30-1908F                   | S30-1909F                    |
|                     | 7,5         | S30-1906G                     | S30-1907G                   |                             |                              |
|                     | 10          | S30-1906H                     | S30-1907H                   |                             |                              |
| 400                 | 15          |                               | S30-1906J                   |                             |                              |
|                     | 2,5         | S30-2006D                     | S30-2007D                   | S30-2008D                   | S30-2009D                    |
|                     | 5           | S30-2006F                     | S30-2007F                   | S30-2008F                   | S30-2009F                    |
|                     | 7,5         | S30-2006G                     | S30-2007G                   | S30-2008G                   | S30-2009G                    |
|                     | 10          | S30-2006H                     | S30-2007H                   |                             |                              |
| 500                 | 15          | S30-2006J                     | S30-2007J                   |                             |                              |
|                     | 2,5         | S30-2106D                     | S30-2107D                   | S30-2108D                   | S30-2109D                    |
|                     | 5           | S30-2106F                     | S30-2107F                   | S30-2108F                   | S30-2109F                    |
|                     | 7,5         | S30-2106G                     | S30-2107G                   | S30-2108G                   | S30-2109G                    |
|                     | 10          | S30-2106H                     | S30-2107H                   | S30-2108H                   | S30-2109H                    |
| 600                 | 15          | S30-2106J                     | S30-2107J                   |                             |                              |
|                     | 2,5         | S30-2206D                     | S30-2207D                   | S30-2208D                   | S30-2209D                    |
|                     | 5           | S30-2206F                     | S30-2207F                   | S30-2208F                   | S30-2209F                    |
|                     | 7,5         | S30-2206G                     | S30-2207G                   | S30-2208G                   | S30-2209G                    |
|                     | 10          | S30-2206H                     | S30-2207H                   | S30-2208H                   | S30-2209H                    |
| 750                 | 15          | S30-2206J                     | S30-2207J                   |                             |                              |
|                     | 2,5         | S30-2306D                     | S30-2307D                   | S30-2308D                   | S30-2309D                    |
|                     | 5           | S30-2306F                     | S30-2307F                   | S30-2308F                   | S30-2309F                    |
|                     | 7,5         | S30-2306G                     | S30-2307G                   | S30-2308G                   | S30-2309G                    |
|                     | 10          | S30-2306H                     | S30-2307H                   | S30-2308H                   | S30-2309H                    |
| 750                 | 15          | S30-2306J                     | S30-2307J                   |                             |                              |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type E</b> | <b>59044</b> |

**MBS AG**

Eisbachstraße 51 - 74429 Sulzbach-Laufen  
 Germany

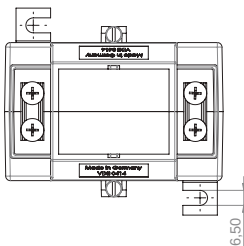
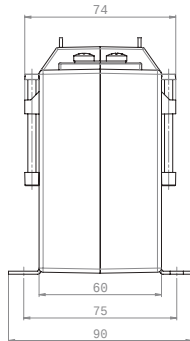
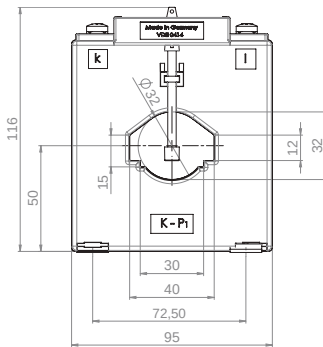
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
 E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## SASK 41.6

Protection plug-in current transformer



Bus bar 1            40 x 12 mm  
 Bus bar 2            30 x 15 mm  
 Round conductor    32 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 5P5<br>Art.-no.    | 1 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P10<br>Art.-no. | 1 A<br>Cl. 10P10<br>Art.-no. |
| 75                  | 1,5         | S30-1116C                     | S30-1117C                   | S30-1118C                   | S30-1119C                    |
|                     | 2,5         | S30-1116D                     | S30-1117D                   |                             |                              |
| 100                 | 1,5         | S30-1316C                     | S30-1317C                   | S30-1318C                   | S30-1319C                    |
|                     | 2,5         | S30-1316D                     | S30-1317D                   | S30-1318D                   | S30-1319D                    |
|                     | 5           | S30-1316F                     | S30-1317F                   |                             |                              |
| 150                 | 2,5         | S30-1616D                     | S30-1617D                   | S30-1618D                   | S30-1619D                    |
|                     | 5           | S30-1616F                     | S30-1617F                   |                             |                              |
|                     | 7,5         |                               | S30-1617G                   |                             |                              |
| 200                 | 2,5         | S30-1716D                     |                             | S30-1718D                   | S30-1719D                    |
|                     | 5           | S30-1716F                     | S30-1717F                   |                             | S30-1719F                    |
|                     | 7,5         | S30-1716G                     | S30-1717G                   |                             |                              |
|                     | 10          | S30-1716H                     | S30-1717H                   |                             |                              |
| 250                 | 2,5         | S30-1816D                     | S30-1817D                   | S30-1818D                   | S30-1819D                    |
|                     | 5           | S30-1816F                     | S30-1817F                   | S30-1818F                   | S30-1819F                    |
|                     | 7,5         | S30-1816G                     | S30-1817G                   |                             |                              |
|                     | 10          | S30-1816H                     | S30-1817H                   |                             |                              |
| 300                 | 2,5         | S30-1916D                     | S30-1917D                   | S30-1918D                   | S30-1919D                    |
|                     | 5           | S30-1916F                     | S30-1917F                   | S30-1918F                   | S30-1919F                    |
|                     | 7,5         | S30-1916G                     | S30-1917G                   |                             |                              |
|                     | 10          | S30-1916H                     | S30-1917H                   |                             |                              |
| 400                 | 15          |                               | S30-1916J                   |                             |                              |
|                     | 2,5         | S30-2016D                     | S30-2017D                   | S30-2018D                   | S30-2019D                    |
|                     | 5           | S30-2016F                     | S30-2017F                   | S30-2018F                   | S30-2019F                    |
|                     | 7,5         | S30-2016G                     | S30-2017G                   | S30-2018G                   | S30-2019G                    |
|                     | 10          | S30-2016H                     | S30-2017H                   |                             |                              |
| 500                 | 15          | S30-2016J                     | S30-2017J                   |                             |                              |
|                     | 2,5         | S30-2116D                     | S30-2117D                   | S30-2118D                   | S30-2119D                    |
|                     | 5           | S30-2116F                     | S30-2117F                   | S30-2118F                   | S30-2119F                    |
|                     | 7,5         | S30-2116G                     | S30-2117G                   | S30-2118G                   | S30-2119G                    |
|                     | 10          | S30-2116H                     | S30-2117H                   | S30-2118H                   | S30-2119H                    |
| 600                 | 15          | S30-2116J                     | S30-2117J                   |                             |                              |
|                     | 2,5         | S30-2216D                     | S30-2217D                   | S30-2218D                   | S30-2219D                    |
|                     | 5           | S30-2216F                     | S30-2217F                   | S30-2218F                   | S30-2219F                    |
|                     | 7,5         | S30-2216G                     | S30-2217G                   | S30-2218G                   | S30-2219G                    |
|                     | 10          | S30-2216H                     | S30-2217H                   | S30-2218H                   | S30-2219H                    |
| 750                 | 15          | S30-2216J                     | S30-2217J                   |                             |                              |
|                     | 2,5         | S30-2316D                     | S30-2317D                   | S30-2318D                   | S30-2319D                    |
|                     | 5           | S30-2316F                     | S30-2317F                   | S30-2318F                   | S30-2319F                    |
|                     | 7,5         | S30-2316G                     | S30-2317G                   | S30-2318G                   | S30-2319G                    |
|                     | 10          | S30-2316H                     | S30-2317H                   | S30-2318H                   | S30-2319H                    |
| 750                 | 15          | S30-2316J                     | S30-2317J                   |                             |                              |

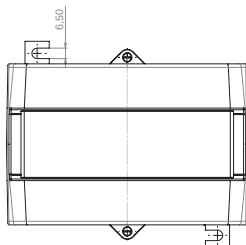
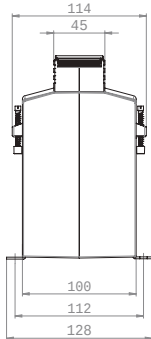
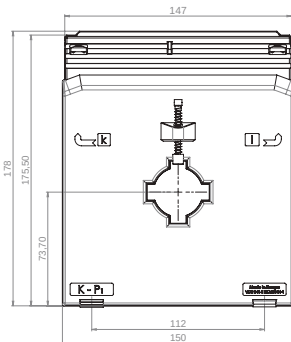
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|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type E</b> | <b>59044</b> |

## SASK 41.10

Protection plug-in current transformer



Bus bar 1                    40 x 10 mm  
 Round conductor            32 mm  
 Transformer width          150 mm  
 Height                        175,5 mm  
 Depth                         114 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 5 A<br>Cl. 5P10<br>Art.-no. | 5 A<br>Cl. 10P10<br>Art.-no. |
| 75                  | 2,5         | S31-1106D                     | S31-1107D                   |                             |                              |
|                     | 5           |                               | S31-1107F                   |                             |                              |
| 100                 | 5           | S31-1306F                     | S31-1307F                   | S31-1308F                   | S31-1309F                    |
|                     | 7,5         | S31-1306G                     | S31-1307G                   |                             |                              |
|                     | 10          |                               | S31-1307H                   |                             |                              |
| 150                 | 5           | S31-1606F                     | S31-1607F                   | S31-1608F                   | S31-1609F                    |
|                     | 7,5         | S31-1606G                     | S31-1607G                   | S31-1608G                   | S31-1609G                    |
|                     | 10          | S31-1606H                     | S31-1607H                   |                             |                              |
|                     | 15          | S31-1606J                     | S31-1607J                   |                             |                              |
| 200                 | 5           | S31-1706F                     | S31-1707F                   | S31-1708F                   | S31-1709F                    |
|                     | 7,5         | S31-1706G                     | S31-1707G                   | S31-1708G                   | S31-1709G                    |
|                     | 10          | S31-1706H                     | S31-1707H                   | S31-1708H                   | S31-1709H                    |
|                     | 15          | S31-1706J                     | S31-1707J                   |                             |                              |
| 250                 | 5           | S31-1806F                     | S31-1807F                   | S31-1808F                   | S31-1809F                    |
|                     | 7,5         | S31-1806G                     | S31-1807G                   | S31-1808G                   | S31-1809G                    |
|                     | 10          | S31-1806H                     | S31-1807H                   | S31-1808H                   | S31-1809H                    |
|                     | 15          | S31-1806J                     | S31-1807J                   |                             |                              |
| 300                 | 5           | S31-1906F                     | S31-1907F                   | S31-1908F                   | S31-1909F                    |
|                     | 7,5         | S31-1906G                     | S31-1907G                   | S31-1908G                   | S31-1909G                    |
|                     | 10          | S31-1906H                     | S31-1907H                   | S31-1908H                   | S31-1909H                    |
|                     | 15          | S31-1906J                     | S31-1907J                   | S31-1908J                   | S31-1909J                    |
|                     | 30          | S31-1906L                     | S31-1907L                   |                             |                              |
| 400                 | 5           | S31-2006F                     | S31-2007F                   | S31-2008F                   | S31-2009F                    |
|                     | 7,5         | S31-2006G                     | S31-2007G                   | S31-2008G                   | S31-2009G                    |
|                     | 10          | S31-2006H                     | S31-2007H                   | S31-2008H                   | S31-2009H                    |
|                     | 15          | S31-2006J                     | S31-2007J                   | S31-2008J                   | S31-2009J                    |
|                     | 30          | S31-2006L                     | S31-2007L                   |                             |                              |
| 500                 | 5           | S31-2106F                     | S31-2107F                   | S31-2108F                   | S31-2109F                    |
|                     | 7,5         | S31-2106G                     | S31-2107G                   | S31-2108G                   | S31-2109G                    |
|                     | 10          | S31-2106H                     | S31-2107H                   | S31-2108H                   | S31-2109H                    |
|                     | 15          | S31-2106J                     | S31-2107J                   | S31-2108J                   | S31-2109J                    |
|                     | 30          | S31-2106L                     | S31-2107L                   |                             |                              |
| 600                 | 5           | S31-2206F                     | S31-2207F                   | S31-2208F                   | S31-2209F                    |
|                     | 7,5         | S31-2206G                     | S31-2207G                   | S31-2208G                   | S31-2209G                    |
|                     | 10          | S31-2206H                     | S31-2207H                   | S31-2208H                   | S31-2209H                    |
|                     | 15          | S31-2206J                     | S31-2207J                   | S31-2208J                   | S31-2209J                    |
|                     | 30          | S31-2206L                     | S31-2207L                   |                             |                              |
| 750                 | 5           | S31-2306F                     | S31-2307F                   | S31-2308F                   | S31-2309F                    |
|                     | 7,5         | S31-2306G                     | S31-2307G                   | S31-2308G                   | S31-2309G                    |
|                     | 10          | S31-2306H                     | S31-2307H                   | S31-2308H                   | S31-2309H                    |
|                     | 15          | S31-2306J                     | S31-2307J                   | S31-2308J                   | S31-2309J                    |
|                     | 30          | S31-2306L                     | S31-2307L                   |                             |                              |
| 800                 | 5           | S31-2406F                     | S31-2407F                   | S31-2408F                   | S31-2409F                    |
|                     | 7,5         | S31-2406G                     | S31-2407G                   | S31-2408G                   | S31-2409G                    |
|                     | 10          | S31-2406H                     | S31-2407H                   | S31-2408H                   | S31-2409H                    |
|                     | 15          | S31-2406J                     | S31-2407J                   | S31-2408J                   | S31-2409J                    |
|                     | 30          | S31-2406L                     | S31-2407L                   |                             |                              |

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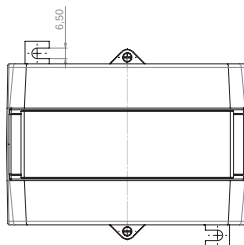
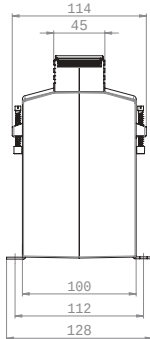
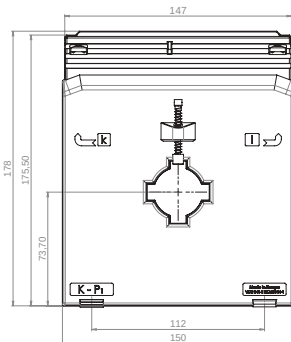
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
 E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## SASK 41.10

Protection plug-in current transformer



Bus bar 1                      40 x 10 mm  
 Round conductor            32 mm  
 Transformer width          150 mm  
 Height                        175,5 mm  
 Depth                         114 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                              |                             |                              |
|---------------------|-------------|-------------------------------|------------------------------|-----------------------------|------------------------------|
|                     |             | 5 A<br>Cl. 5P15<br>Art.-no.   | 5 A<br>Cl. 10P15<br>Art.-no. | 5 A<br>Cl. 5P20<br>Art.-no. | 5 A<br>Cl. 10P20<br>Art.-no. |
| 100                 | 2,5         | S31-130AD                     | S31-130BD                    |                             |                              |
| 150                 | 2,5         | S31-160AD                     | S31-160BD                    | S31-160CD                   | S31-160DD                    |
|                     | 5           | S31-160AF                     | S31-160BF                    |                             |                              |
| 200                 | 5           | S31-170AF                     | S31-170BF                    | S31-170CF                   | S31-170DF                    |
| 250                 | 5           | S31-180AF                     | S31-180BF                    | S31-180CF                   | S31-180DF                    |
| 300                 | 5           | S31-190AF                     | S31-190BF                    | S31-190CF                   | S31-190DF                    |
|                     | 7,5         | S31-190AG                     | S31-190BG                    |                             |                              |
|                     | 10          | S31-190AH                     | S31-190BH                    |                             |                              |
| 400                 | 5           | S31-200AF                     | S31-200BF                    | S31-200CF                   | S31-200DF                    |
|                     | 7,5         | S31-200AG                     | S31-200BG                    | S31-200CG                   | S31-200DG                    |
|                     | 10          | S31-200AH                     | S31-200BH                    | S31-200CH                   | S31-200DH                    |
| 500                 | 5           | S31-210AF                     | S31-210BF                    | S31-210CF                   | S31-210DF                    |
|                     | 7,5         | S31-210AG                     | S31-210BG                    | S31-210CG                   | S31-210DG                    |
|                     | 10          | S31-210AH                     | S31-210BH                    | S31-210CH                   | S31-210DH                    |
|                     | 15          | S31-210AJ                     | S31-210BJ                    |                             |                              |
| 600                 | 5           | S31-220AF                     | S31-220BF                    | S31-220CF                   | S31-220DF                    |
|                     | 7,5         | S31-220AG                     | S31-220BG                    | S31-220CG                   | S31-220DG                    |
|                     | 10          | S31-220AH                     | S31-220BH                    | S31-220CH                   | S31-220DH                    |
|                     | 15          | S31-220AJ                     | S31-220BJ                    |                             |                              |
| 750                 | 5           | S31-230AF                     | S31-230BF                    | S31-230CF                   | S31-230DF                    |
|                     | 7,5         | S31-230AG                     | S31-230BG                    | S31-230CG                   | S31-230DG                    |
|                     | 10          | S31-230AH                     | S31-230BH                    | S31-230CH                   | S31-230DH                    |
|                     | 15          | S31-230AJ                     | S31-230BJ                    |                             |                              |
| 800                 | 5           | S31-240AF                     | S31-240BF                    | S31-240CF                   | S31-240DF                    |
|                     | 7,5         | S31-240AG                     | S31-240BG                    | S31-240CG                   | S31-240DG                    |
|                     | 10          | S31-240AH                     | S31-240BH                    | S31-240CH                   | S31-240DH                    |
|                     | 15          | S31-240AJ                     | S31-240BJ                    |                             |                              |

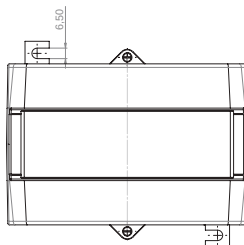
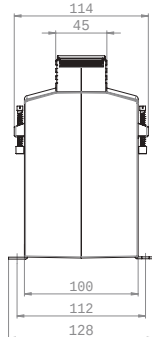
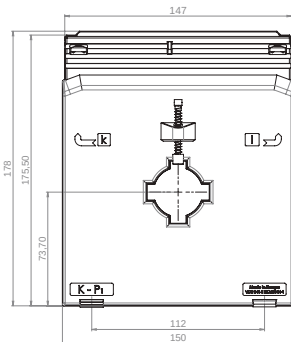
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## SASK 41.10

Protection plug-in current transformer



Bus bar 1                    40 x 10 mm  
 Round conductor           32 mm  
 Transformer width        150 mm  
 Height                      175,5 mm  
 Depth                        114 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 5P5<br>Art.-no.    | 1 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P10<br>Art.-no. | 1 A<br>Cl. 10P10<br>Art.-no. |
| 75                  | 2,5         | S31-1116D                     | S31-1117D                   |                             |                              |
|                     | 5           |                               | S31-1117F                   |                             |                              |
| 100                 | 5           | S31-1316F                     | S31-1317F                   | S31-1318F                   | S31-1319F                    |
|                     | 7,5         | S31-1316G                     | S31-1317G                   |                             |                              |
|                     | 10          | S31-1316H                     | S31-1317H                   |                             |                              |
| 150                 | 5           | S31-1616F                     | S31-1617F                   | S31-1618F                   | S31-1619F                    |
|                     | 7,5         | S31-1616G                     | S31-1617G                   | S31-1618G                   | S31-1619G                    |
|                     | 10          | S31-1616H                     | S31-1617H                   |                             |                              |
|                     | 15          | S31-1616J                     | S31-1617J                   |                             |                              |
| 200                 | 5           | S31-1716F                     | S31-1717F                   | S31-1718F                   | S31-1719F                    |
|                     | 7,5         | S31-1716G                     | S31-1717G                   | S31-1718G                   | S31-1719G                    |
|                     | 10          | S31-1716H                     | S31-1717H                   | S31-1718H                   | S31-1719H                    |
|                     | 15          | S31-1716J                     | S31-1717J                   |                             |                              |
| 250                 | 5           | S31-1816F                     | S31-1817F                   | S31-1818F                   | S31-1819F                    |
|                     | 7,5         | S31-1816G                     | S31-1817G                   | S31-1818G                   | S31-1819G                    |
|                     | 10          | S31-1816H                     | S31-1817H                   | S31-1818H                   | S31-1819H                    |
|                     | 15          | S31-1816J                     | S31-1817J                   |                             |                              |
| 300                 | 5           | S31-1916F                     | S31-1917F                   | S31-1918F                   | S31-1919F                    |
|                     | 7,5         | S31-1916G                     | S31-1917G                   | S31-1918G                   | S31-1919G                    |
|                     | 10          | S31-1916H                     | S31-1917H                   | S31-1918H                   | S31-1919H                    |
|                     | 15          | S31-1916J                     | S31-1917J                   | S31-1918J                   | S31-1919J                    |
|                     | 30          | S31-1916L                     | S31-1917L                   |                             |                              |
| 400                 | 5           | S31-2016F                     | S31-2017F                   | S31-2018F                   | S31-2019F                    |
|                     | 7,5         | S31-2016G                     | S31-2017G                   | S31-2018G                   | S31-2019G                    |
|                     | 10          | S31-2016H                     | S31-2017H                   | S31-2018H                   | S31-2019H                    |
|                     | 15          | S31-2016J                     | S31-2017J                   | S31-2018J                   | S31-2019J                    |
|                     | 30          | S31-2016L                     | S31-2017L                   |                             |                              |
| 500                 | 5           | S31-2116F                     | S31-2117F                   | S31-2118F                   | S31-2119F                    |
|                     | 7,5         | S31-2116G                     | S31-2117G                   | S31-2118G                   | S31-2119G                    |
|                     | 10          | S31-2116H                     | S31-2117H                   | S31-2118H                   | S31-2119H                    |
|                     | 15          | S31-2116J                     | S31-2117J                   | S31-2118J                   | S31-2119J                    |
|                     | 30          | S31-2116L                     | S31-2117L                   |                             |                              |
| 600                 | 5           | S31-2216F                     | S31-2217F                   | S31-2218F                   | S31-2219F                    |
|                     | 7,5         | S31-2216G                     | S31-2217G                   | S31-2218G                   | S31-2219G                    |
|                     | 10          | S31-2216H                     | S31-2217H                   | S31-2218H                   | S31-2219H                    |
|                     | 15          | S31-2216J                     | S31-2217J                   | S31-2218J                   | S31-2219J                    |
|                     | 30          | S31-2216L                     | S31-2217L                   |                             |                              |
| 750                 | 5           | S31-2316F                     | S31-2317F                   | S31-2318F                   | S31-2319F                    |
|                     | 7,5         | S31-2316G                     | S31-2317G                   | S31-2318G                   | S31-2319G                    |
|                     | 10          | S31-2316H                     | S31-2317H                   | S31-2318H                   | S31-2319H                    |
|                     | 15          | S31-2316J                     | S31-2317J                   | S31-2318J                   | S31-2319J                    |
|                     | 30          | S31-2316L                     | S31-2317L                   |                             |                              |
| 800                 | 5           | S31-2416F                     | S31-2417F                   | S31-2418F                   | S31-2419F                    |
|                     | 7,5         | S31-2416G                     | S31-2417G                   | S31-2418G                   | S31-2419G                    |
|                     | 10          | S31-2416H                     | S31-2417H                   | S31-2418H                   | S31-2419H                    |
|                     | 15          | S31-2416J                     | S31-2417J                   | S31-2418J                   | S31-2419J                    |
|                     | 30          | S31-2416L                     | S31-2417L                   |                             |                              |

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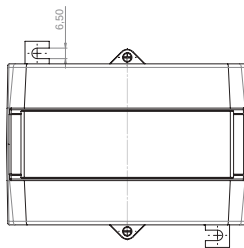
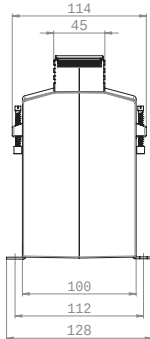
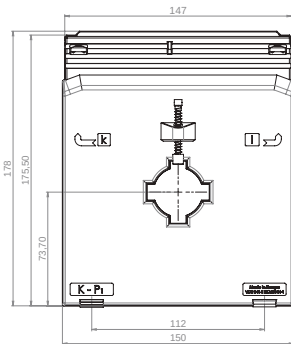


## SASK 41.10

Protection plug-in current transformer



Bus bar 1                    40 x 10 mm  
 Round conductor        32 mm  
 Transformer width      150 mm  
 Height                    175,5 mm  
 Depth                    114 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                              |                             |                              |
|---------------------|-------------|-------------------------------|------------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 5P15<br>Art.-no.   | 1 A<br>Cl. 10P15<br>Art.-no. | 1 A<br>Cl. 5P20<br>Art.-no. | 1 A<br>Cl. 10P20<br>Art.-no. |
| 100                 | 2,5         | S31-131AD                     | S31-131BD                    |                             |                              |
| 150                 | 2,5         | S31-161AD                     | S31-161BD                    | S31-161CD                   | S31-161DD                    |
|                     | 5           | S31-161AF                     | S31-161BF                    |                             |                              |
| 200                 | 5           | S31-171AF                     | S31-171BF                    | S31-171CF                   | S31-171DF                    |
| 250                 | 5           | S31-181AF                     | S31-181BF                    | S31-181CF                   | S31-181DF                    |
| 300                 | 5           | S31-191AF                     | S31-191BF                    | S31-191CF                   | S31-191DF                    |
|                     | 7,5         | S31-191AG                     | S31-191BG                    |                             |                              |
|                     | 10          | S31-191AH                     | S31-191BH                    |                             |                              |
| 400                 | 5           | S31-201AF                     | S31-201BF                    | S31-201CF                   | S31-201DF                    |
|                     | 7,5         | S31-201AG                     | S31-201BG                    | S31-201CG                   | S31-201DG                    |
|                     | 10          | S31-201AH                     | S31-201BH                    | S31-201CH                   | S31-201DH                    |
| 500                 | 5           | S31-211AF                     | S31-211BF                    | S31-211CF                   | S31-211DF                    |
|                     | 7,5         | S31-211AG                     | S31-211BG                    | S31-211CG                   | S31-211DG                    |
|                     | 10          | S31-211AH                     | S31-211BH                    | S31-211CH                   | S31-211DH                    |
|                     | 15          | S31-211AJ                     | S31-211BJ                    |                             |                              |
| 600                 | 5           | S31-221AF                     | S31-221BF                    | S31-221CF                   | S31-221DF                    |
|                     | 7,5         | S31-221AG                     | S31-221BG                    | S31-221CG                   | S31-221DG                    |
|                     | 10          | S31-221AH                     | S31-221BH                    | S31-221CH                   | S31-221DH                    |
|                     | 15          | S31-221AJ                     | S31-221BJ                    |                             |                              |
| 750                 | 5           | S31-231AF                     | S31-231BF                    | S31-231CF                   | S31-231DF                    |
|                     | 7,5         | S31-231AG                     | S31-231BG                    | S31-231CG                   | S31-231DG                    |
|                     | 10          | S31-231AH                     | S31-231BH                    | S31-231CH                   | S31-231DH                    |
|                     | 15          | S31-231AJ                     | S31-231BJ                    |                             |                              |
| 800                 | 5           | S31-241AF                     | S31-241BF                    | S31-241CF                   | S31-241DF                    |
|                     | 7,5         | S31-241AG                     | S31-241BG                    | S31-241CG                   | S31-241DG                    |
|                     | 10          | S31-241AH                     | S31-241BH                    | S31-241CH                   | S31-241DH                    |
|                     | 15          | S31-241AJ                     | S31-241BJ                    |                             |                              |

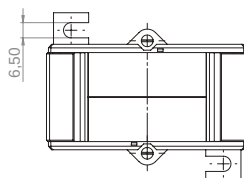
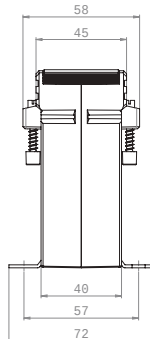
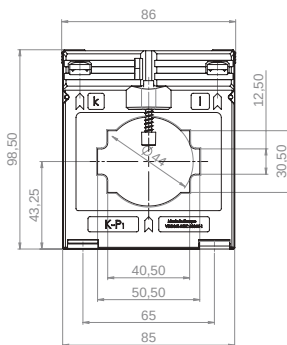
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## SASK 51.4

Protection plug-in current transformer



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 50 x 12 mm     |
| Bus bar 2         | 2 x 40 x 10 mm |
| Round conductor   | 44 mm          |
| Transformer width | 86 mm          |
| Height            | 98,5 mm        |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P5<br>Art.-no. | 1 A<br>Cl. 10P5<br>Art.-no. |
| 150                 | 1           |                               |                             | S34-1616B                  | S34-1617B                   |
| 200                 | 1           | S34-1706B                     | S34-1707B                   | S34-1716B                  | S34-1717B                   |
|                     | 1,5         |                               | S34-1707C                   | S34-1716C                  | S34-1717C                   |
| 250                 | 1,5         | S34-1806C                     | S34-1807C                   | S34-1816C                  | S34-1817C                   |
|                     | 2,5         |                               |                             |                            | S34-1817D                   |
| 300                 | 1,5         | S34-1906C                     | S34-1907C                   | S34-1916C                  | S34-1917C                   |
|                     | 2,5         |                               |                             | S34-1916D                  | S34-1917D                   |
| 400                 | 1,5         | S34-2006C                     | S34-2007C                   | S34-2016C                  | S34-2017C                   |
|                     | 2,5         |                               | S34-2007D                   | S34-2016D                  | S34-2017D                   |
| 500                 | 1,5         | S34-2106C                     | S34-2107C                   | S34-2116C                  | S34-2117C                   |
|                     | 2,5         |                               | S34-2107D                   | S34-2116D                  | S34-2117D                   |
| 600                 | 1,5         | S34-2206C                     | S34-2207C                   | S34-2216C                  | S34-2217C                   |
|                     | 2,5         |                               | S34-2207D                   | S34-2216D                  | S34-2217D                   |
| 750                 | 1,5         | S34-2306C                     | S34-2307C                   | S34-2316C                  | S34-2317C                   |
|                     | 2,5         | S34-2306D                     | S34-2307D                   | S34-2316D                  | S34-2317D                   |
| 1000                | 1,5         | S34-2506C                     | S34-2507C                   | S34-2516C                  | S34-2517C                   |
|                     | 2,5         | S34-2506D                     | S34-2507D                   | S34-2516D                  | S34-2517D                   |

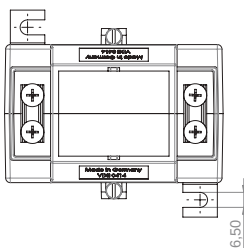
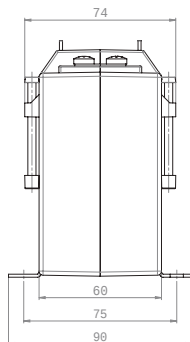
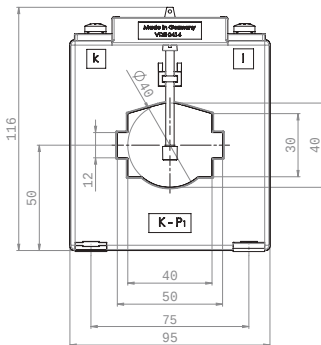
|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type C | 59042    |

## SASK 51.6

Protection plug-in current transformer



Bus bar 1 50 x 12 mm  
 Bus bar 2 40 x 30 mm  
 Round conductor 40 mm  
 Transformer width 95 mm  
 Height 116 mm  
 Depth 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 5 A<br>Cl. 5P10<br>Art.-no. | 5 A<br>Cl. 10P10<br>Art.-no. |
| 150                 | 1,5         | S37-1606C                     | S37-1607C                   | S37-1608C                   | S37-1609C                    |
|                     | 2,5         | S37-1606D                     | S37-1607D                   |                             | S37-1609D                    |
|                     | 5           | S37-1606F                     | S37-1607F                   |                             |                              |
| 200                 | 1,5         | S37-1706C                     | S37-1707C                   | S37-1708C                   | S37-1709C                    |
|                     | 2,5         | S37-1706D                     | S37-1707D                   | S37-1708D                   | S37-1709D                    |
|                     | 5           | S37-1706F                     | S37-1707F                   |                             |                              |
| 250                 | 2,5         | S37-1806D                     | S37-1807D                   | S37-1808D                   | S37-1809D                    |
|                     | 5           | S37-1806F                     | S37-1807F                   |                             |                              |
|                     | 7,5         |                               | S37-1807G                   |                             |                              |
| 300                 | 2,5         | S37-1906D                     | S37-1907D                   | S37-1908D                   | S37-1909D                    |
|                     | 5           | S37-1906F                     | S37-1907F                   |                             |                              |
|                     | 7,5         | S37-1906G                     | S37-1907G                   |                             |                              |
| 400                 | 10          |                               | S37-1907H                   |                             |                              |
|                     | 2,5         | S37-2006D                     | S37-2007D                   | S37-2008D                   | S37-2009D                    |
|                     | 5           | S37-2006F                     | S37-2007F                   | S37-2008F                   | S37-2009F                    |
|                     | 7,5         | S37-2006G                     | S37-2007G                   |                             |                              |
| 500                 | 10          | S37-2006H                     | S37-2007H                   |                             |                              |
|                     | 2,5         | S37-2106D                     | S37-2107D                   | S37-2108D                   | S37-2109D                    |
|                     | 5           | S37-2106F                     | S37-2107F                   | S37-2108F                   | S37-2109F                    |
|                     | 7,5         | S37-2106G                     | S37-2107G                   |                             |                              |
| 600                 | 10          | S37-2106H                     | S37-2107H                   |                             |                              |
|                     | 15          |                               | S37-2107J                   |                             |                              |
|                     | 2,5         | S37-2206D                     | S37-2207D                   | S37-2208D                   | S37-2209D                    |
|                     | 5           | S37-2206F                     | S37-2207F                   | S37-2208F                   | S37-2209F                    |
| 750                 | 7,5         | S37-2206G                     | S37-2207G                   |                             |                              |
|                     | 10          | S37-2206H                     | S37-2207H                   |                             |                              |
|                     | 15          | S37-2206J                     | S37-2207J                   |                             |                              |
|                     | 2,5         | S37-2306D                     | S37-2307D                   | S37-2308D                   | S37-2309D                    |
| 1000                | 5           | S37-2306F                     | S37-2307F                   | S37-2308F                   | S37-2309F                    |
|                     | 7,5         | S37-2306G                     | S37-2307G                   | S37-2308G                   | S37-2309G                    |
|                     | 10          | S37-2306H                     | S37-2307H                   |                             |                              |
|                     | 15          | S37-2306J                     | S37-2307J                   |                             |                              |
|                     | 2,5         | S37-2506D                     | S37-2507D                   | S37-2508D                   | S37-2509D                    |
|                     | 5           | S37-2506F                     | S37-2507F                   | S37-2508F                   | S37-2509F                    |
|                     | 7,5         | S37-2506G                     | S37-2507G                   | S37-2508G                   | S37-2509G                    |
|                     | 10          | S37-2506H                     | S37-2507H                   |                             |                              |
|                     | 15          | S37-2506J                     | S37-2507J                   |                             |                              |

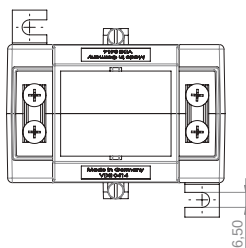
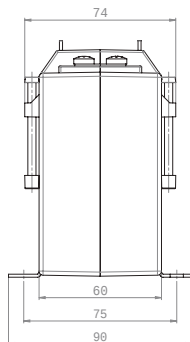
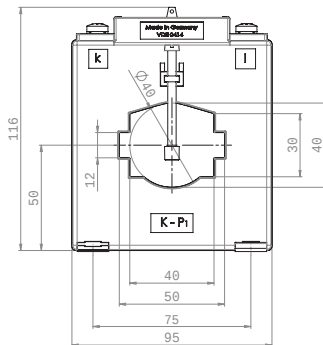
|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | -        |
|  | Sealed shutter, type E | 59044    |

## SASK 51.6

Protection plug-in current transformer



Bus bar 1            50 x 12 mm  
 Bus bar 2            40 x 30 mm  
 Round conductor    40 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 5P5<br>Art.-no.    | 1 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P10<br>Art.-no. | 1 A<br>Cl. 10P10<br>Art.-no. |
| 150                 | 1,5         | S37-1616C                     | S37-1617C                   | S37-1618C                   | S37-1619C                    |
|                     | 2,5         | S37-1616D                     | S37-1617D                   |                             | S37-1619D                    |
|                     | 5           | S37-1616F                     | S37-1617F                   |                             |                              |
| 200                 | 1,5         | S37-1716C                     | S37-1717C                   | S37-1718C                   | S37-1719C                    |
|                     | 2,5         | S37-1716D                     | S37-1717D                   | S37-1718D                   | S37-1719D                    |
|                     | 5           | S37-1716F                     | S37-1717F                   |                             |                              |
| 250                 | 2,5         | S37-1816D                     | S37-1817D                   | S37-1818D                   | S37-1819D                    |
|                     | 5           | S37-1816F                     | S37-1817F                   |                             |                              |
|                     | 7,5         |                               | S37-1817G                   |                             |                              |
| 300                 | 2,5         | S37-1916D                     | S37-1917D                   | S37-1918D                   | S37-1919D                    |
|                     | 5           | S37-1916F                     | S37-1917F                   |                             |                              |
|                     | 7,5         |                               | S37-1917G                   |                             |                              |
| 400                 | 10          |                               | S37-1917H                   |                             |                              |
|                     | 2,5         | S37-2016D                     | S37-2017D                   | S37-2018D                   | S37-2019D                    |
|                     | 5           | S37-2016F                     | S37-2017F                   | S37-2018F                   | S37-2019F                    |
|                     | 7,5         | S37-2016G                     | S37-2017G                   |                             |                              |
| 500                 | 10          | S37-2016H                     | S37-2017H                   |                             |                              |
|                     | 2,5         | S37-2116D                     | S37-2117D                   | S37-2118D                   | S37-2119D                    |
|                     | 5           | S37-2116F                     | S37-2117F                   | S37-2118F                   | S37-2119F                    |
|                     | 7,5         | S37-2116G                     | S37-2117G                   |                             |                              |
| 600                 | 10          | S37-2116H                     | S37-2117H                   |                             |                              |
|                     | 15          |                               | S37-2117J                   |                             |                              |
|                     | 2,5         | S37-2216D                     | S37-2217D                   | S37-2218D                   | S37-2219D                    |
|                     | 5           | S37-2216F                     | S37-2217F                   | S37-2218F                   | S37-2219F                    |
| 750                 | 7,5         | S37-2216G                     | S37-2217G                   |                             |                              |
|                     | 10          | S37-2216H                     | S37-2217H                   |                             |                              |
|                     | 15          | S37-2216J                     | S37-2217J                   |                             |                              |
|                     | 2,5         | S37-2316D                     | S37-2317D                   | S37-2318D                   | S37-2319D                    |
| 1000                | 5           | S37-2316F                     | S37-2317F                   | S37-2318F                   | S37-2319F                    |
|                     | 7,5         | S37-2316G                     | S37-2317G                   |                             |                              |
|                     | 10          | S37-2316H                     | S37-2317H                   |                             |                              |
|                     | 15          | S37-2316J                     | S37-2317J                   |                             |                              |
|                     | 2,5         | S37-2516D                     | S37-2517D                   | S37-2518D                   | S37-2519D                    |
|                     | 5           | S37-2516F                     | S37-2517F                   | S37-2518F                   | S37-2519F                    |
|                     | 7,5         | S37-2516G                     | S37-2517G                   | S37-2518G                   | S37-2519G                    |
|                     | 10          | S37-2516H                     | S37-2517H                   |                             |                              |
|                     | 15          | S37-2516J                     | S37-2517J                   |                             |                              |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | -        |
|  | Sealed shutter, type E | 59044    |

MBS AG

Eisbachstraße 51 - 74429 Sulzbach-Laufen  
 Germany

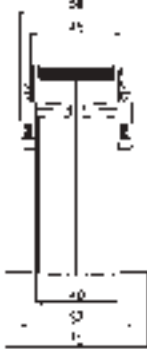
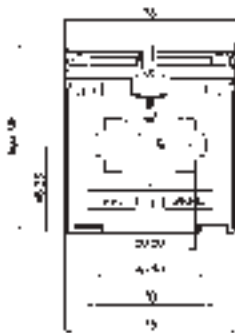
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
 E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## SASK 61.4

Protection plug-in current transformer



Bus bar 1            60 x 10 mm  
 Bus bar 2            2 x 50 x 10 mm  
 Round conductor    44 mm  
 Transformer width   96 mm  
 Height                105,5 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P5<br>Art.-no. | 1 A<br>Cl. 10P5<br>Art.-no. |
| 200                 | 1           | S41-1706B                     | S41-1707B                   | S41-1716B                  | S41-1717B                   |
|                     | 1,5         | S41-1706C                     | S41-1707C                   | S41-1716C                  | S41-1717C                   |
| 250                 | 1           | S41-1806B                     | S41-1807B                   | S41-1816B                  | S41-1817B                   |
|                     | 1,5         | S41-1806C                     | S41-1807C                   | S41-1816C                  | S41-1817C                   |
| 300                 | 1,5         | S41-1906C                     | S41-1907C                   | S41-1916C                  | S41-1917C                   |
|                     | 2,5         |                               | S41-1907D                   | S41-1916D                  | S41-1917D                   |
| 400                 | 1,5         | S41-2006C                     | S41-2007C                   | S41-2016C                  | S41-2017C                   |
|                     | 2,5         | S41-2006D                     | S41-2007D                   | S41-2016D                  | S41-2017D                   |
| 500                 | 1,5         | S41-2106C                     | S41-2107C                   | S41-2116C                  | S41-2117C                   |
|                     | 2,5         | S41-2106D                     | S41-2107D                   | S41-2116D                  | S41-2117D                   |
| 600                 | 1,5         | S41-2206C                     | S41-2207C                   | S41-2216C                  | S41-2217C                   |
|                     | 2,5         | S41-2206D                     | S41-2207D                   | S41-2216D                  | S41-2217D                   |
|                     | 5           |                               |                             | S41-2216F                  | S41-2217F                   |
| 750                 | 1,5         | S41-2306C                     | S41-2307C                   | S41-2316C                  | S41-2317C                   |
|                     | 2,5         | S41-2306D                     | S41-2307D                   | S41-2316D                  | S41-2317D                   |
|                     | 5           | S41-2307F                     |                             | S41-2316F                  | S41-2317F                   |
| 1000                | 1,5         | S41-2506C                     | S41-2507C                   | S41-2516C                  | S41-2517C                   |
|                     | 2,5         | S41-2506D                     | S41-2507D                   | S41-2516D                  | S41-2517D                   |
|                     | 5           | S41-2506F                     | S41-2507F                   | S41-2516F                  | S41-2517F                   |
| 1200                | 1,5         | S41-2606C                     | S41-2607C                   | S41-2616C                  | S41-2617C                   |
|                     | 2,5         | S41-2606D                     | S41-2607D                   | S41-2616D                  | S41-2617D                   |
|                     | 5           | S41-2606F                     | S41-2607F                   | S41-2616F                  | S41-2617F                   |
| 1250                | 1,5         | S41-2706C                     | S41-2707C                   | S41-2716C                  | S41-2717C                   |
|                     | 2,5         | S41-2706D                     | S41-2707D                   | S41-2716D                  | S41-2717D                   |
|                     | 5           | S41-2706F                     | S41-2707F                   | S41-2716F                  | S41-2717F                   |

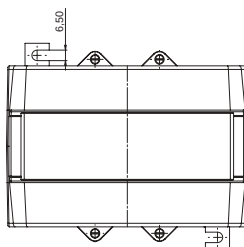
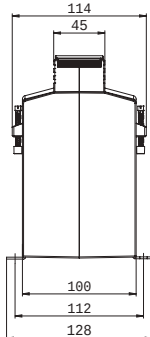
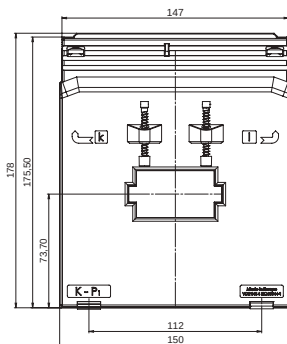
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## SASK 61.10

Protection plug-in current transformer



Bus bar 1            60 x 10 mm  
 Bus bar 2            50 x 30 mm  
 Transformer width    150 mm  
 Height                175,5 mm  
 Depth                 114 mm



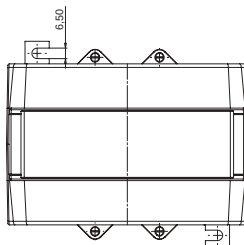
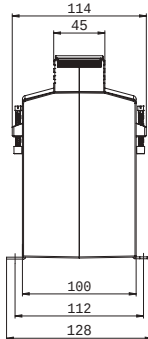
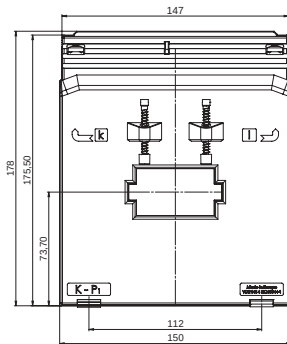
| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 5 A<br>Cl. 5P10<br>Art.-no. | 5 A<br>Cl. 10P10<br>Art.-no. |
| 100                 | 2,5         | S50-1306D                     | S50-1307D                   | S50-1308D                   | S50-1309D                    |
|                     | 5           | S50-1306F                     | S50-1307F                   |                             |                              |
| 150                 | 5           | S50-1606F                     | S50-1607F                   | S50-1608F                   | S50-1609F                    |
|                     | 7,5         | S50-1606G                     | S50-1607G                   |                             |                              |
|                     | 10          | S50-1606H                     | S50-1607H                   |                             |                              |
| 200                 | 5           | S50-1706F                     | S50-1707F                   | S50-1708F                   | S50-1709F                    |
|                     | 7,5         | S50-1706G                     | S50-1707G                   |                             |                              |
|                     | 10          | S50-1706H                     | S50-1707H                   |                             |                              |
|                     | 15          | S50-1706J                     | S50-1707J                   |                             |                              |
| 250                 | 5           | S50-1806F                     | S50-1807F                   | S50-1808F                   | S50-1809F                    |
|                     | 7,5         | S50-1806G                     | S50-1807G                   |                             | S50-1809G                    |
|                     | 10          | S50-1806H                     | S50-1807H                   | S50-1908H                   | S50-1809H                    |
|                     | 15          | S50-1806J                     | S50-1807J                   |                             |                              |
| 300                 | 5           | S50-1906F                     | S50-1907F                   | S50-1908F                   | S50-1909F                    |
|                     | 7,5         | S50-1906G                     | S50-1907G                   | S50-1908G                   | S50-1909G                    |
|                     | 10          | S50-1906H                     | S50-1907H                   |                             | S50-1909H                    |
|                     | 15          | S50-1906J                     | S50-1907J                   |                             |                              |
| 400                 | 5           | S50-2006F                     | S50-2007F                   | S50-2008F                   | S50-2009F                    |
|                     | 7,5         | S50-2006G                     | S50-2007G                   | S50-2008G                   | S50-2009G                    |
|                     | 10          | S50-2006H                     | S50-2007H                   | S50-2008H                   | S50-2009H                    |
|                     | 15          | S50-2006J                     | S50-2007J                   |                             | S50-2009J                    |
| 500                 | 5           | S50-2106F                     | S50-2107F                   | S50-2108F                   | S50-2109F                    |
|                     | 7,5         | S50-2106G                     | S50-2107G                   | S50-2108G                   | S50-2109G                    |
|                     | 10          | S50-2106H                     | S50-2107H                   | S50-2108H                   | S50-2109H                    |
|                     | 15          | S50-2106J                     | S50-2107J                   | S50-2108J                   | S50-2109J                    |
| 600                 | 5           | S50-2206F                     | S50-2207F                   | S50-2208F                   | S50-2209F                    |
|                     | 7,5         | S50-2206G                     | S50-2207G                   | S50-2208G                   | S50-2209G                    |
|                     | 10          | S50-2206H                     | S50-2207H                   | S50-2208H                   | S50-2209H                    |
|                     | 15          | S50-2206J                     | S50-2207J                   | S50-2208J                   | S50-2209J                    |
| 750                 | 5           | S50-2306F                     | S50-2307F                   | S50-2308F                   | S50-2309F                    |
|                     | 7,5         | S50-2306G                     | S50-2307G                   | S50-2308G                   | S50-2309G                    |
|                     | 10          | S50-2306H                     | S50-2307H                   | S50-2308H                   | S50-2309H                    |
|                     | 15          | S50-2306J                     | S50-2307J                   | S50-2308J                   | S50-2309J                    |
| 1000                | 5           | S50-2506F                     | S50-2507F                   | S50-2508F                   | S50-2509F                    |
|                     | 7,5         | S50-2506G                     | S50-2507G                   | S50-2508G                   | S50-2509G                    |
|                     | 10          | S50-2506H                     | S50-2507H                   | S50-2508H                   | S50-2509H                    |
|                     | 15          | S50-2506J                     | S50-2507J                   | S50-2508J                   | S50-2509J                    |
| 1200                | 5           | S50-2606F                     | S50-2607F                   | S50-2608F                   | S50-2609F                    |
|                     | 7,5         | S50-2606G                     | S50-2607G                   | S50-2608G                   | S50-2609G                    |
|                     | 10          | S50-2606H                     | S50-2607H                   | S50-2608H                   | S50-2609H                    |
|                     | 15          | S50-2606J                     | S50-2607J                   | S50-2608J                   | S50-2609J                    |
| 1250                | 5           | S50-2706F                     | S50-2707F                   | S50-2708F                   | S50-2709F                    |
|                     | 7,5         | S50-2706G                     | S50-2707G                   | S50-2708G                   | S50-2709G                    |
|                     | 10          | S50-2706H                     | S50-2707H                   | S50-2708H                   | S50-2709H                    |
|                     | 15          | S50-2706J                     | S50-2707J                   | S50-2708J                   | S50-2709J                    |
| 1500                | 5           | S50-2806F                     | S50-2807F                   | S50-2808F                   | S50-2809F                    |
|                     | 7,5         | S50-2806G                     | S50-2807G                   | S50-2808G                   | S50-2809G                    |
|                     | 10          | S50-2806H                     | S50-2807H                   | S50-2808H                   | S50-2809H                    |
|                     | 15          | S50-2806J                     | S50-2807J                   | S50-2808J                   | S50-2809J                    |

## SASK 61.10

Protection plug-in current transformer



Bus bar 1            60 x 10 mm  
 Bus bar 2            50 x 30 mm  
 Transformer width    150 mm  
 Height                175,5 mm  
 Depth                 114 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                              |                             |                              |
|---------------------|-------------|-------------------------------|------------------------------|-----------------------------|------------------------------|
|                     |             | 5 A<br>Cl. 5P15<br>Art.-no.   | 5 A<br>Cl. 10P15<br>Art.-no. | 5 A<br>Cl. 5P20<br>Art.-no. | 5 A<br>Cl. 10P20<br>Art.-no. |
| 150                 | 2,5         | S50-160AD                     | S50-160BD                    |                             |                              |
| 200                 | 2,5         | S50-170AD                     | S50-170BD                    | S50-170CD                   | S50-170DD                    |
| 250                 | 2,5         | S50-180AD                     | S50-180BD                    | S50-180CD                   | S50-180DD                    |
|                     | 5           | S50-180AF                     | S50-180BF                    |                             |                              |
| 300                 | 2,5         | S50-190AD                     | S50-190BD                    | S50-190CD                   | S50-190DD                    |
|                     | 5           | S50-190AF                     | S50-190BF                    |                             | S50-190DF                    |
| 400                 | 5           | S50-200AF                     | S50-200BF                    | S50-200CF                   | S50-200DF                    |
| 500                 | 5           | S50-210AF                     | S50-210BF                    | S50-210CF                   | S50-210DF                    |
|                     | 7,5         | S50-210AG                     | S50-210BG                    |                             |                              |
|                     | 10          | S50-210AH                     | S50-210BH                    |                             |                              |
| 600                 | 5           | S50-220AF                     | S50-220BF                    | S50-220CF                   | S50-220DF                    |
|                     | 7,5         | S50-220AG                     | S50-220BG                    |                             |                              |
|                     | 10          | S50-220AH                     | S50-220BH                    |                             |                              |
| 750                 | 5           | S50-230AF                     | S50-230BF                    | S50-230CF                   | S50-230DF                    |
|                     | 7,5         | S50-230AG                     | S50-230BG                    |                             |                              |
|                     | 10          | S50-230AH                     | S50-230BH                    |                             |                              |
| 1000                | 5           | S50-250AF                     | S50-250BF                    | S50-250CF                   | S50-250DF                    |
|                     | 7,5         | S50-250AG                     | S50-250BG                    |                             |                              |
|                     | 10          | S50-250AH                     | S50-250BH                    |                             |                              |
| 1200                | 5           | S50-260AF                     | S50-260BF                    | S50-260CF                   | S50-260DF                    |
|                     | 7,5         | S50-260AG                     | S50-260BG                    |                             |                              |
|                     | 10          | S50-260AH                     | S50-260BH                    |                             |                              |
| 1250                | 5           | S50-270AF                     | S50-270BF                    | S50-270CF                   | S50-270DF                    |
|                     | 7,5         | S50-270AG                     | S50-270BG                    |                             |                              |
|                     | 10          | S50-270AH                     | S50-270BH                    |                             |                              |
| 1500                | 5           | S50-280AF                     | S50-280BF                    | S50-280CF                   | S50-280DF                    |
|                     | 7,5         | S50-280AG                     | S50-280BG                    |                             |                              |
|                     | 10          | S50-280AH                     | S50-280BH                    |                             |                              |
|                     | 15          |                               | S50-280BJ                    |                             |                              |

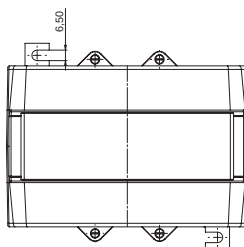
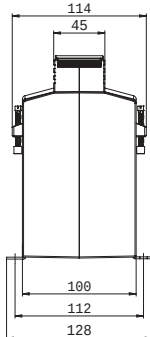
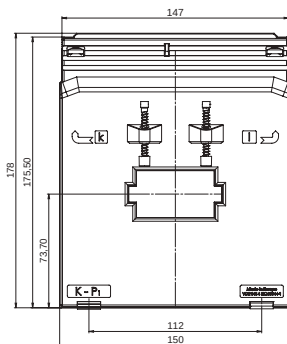
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## SASK 61.10

Protection plug-in current transformer



Bus bar 1            60 x 10 mm  
 Bus bar 2            50 x 30 mm  
 Transformer width    150 mm  
 Height                175,5 mm  
 Depth                 114 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 5P5<br>Art.-no.    | 1 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P10<br>Art.-no. | 1 A<br>Cl. 10P10<br>Art.-no. |
| 100                 | 2,5         | S50-1316D                     | S50-1317D                   | S50-1318D                   | S50-1319D                    |
|                     | 5           | S50-1316F                     | S50-1317F                   |                             |                              |
| 150                 | 5           | S50-1616F                     | S50-1617F                   | S50-1618F                   | S50-1619F                    |
|                     | 7,5         | S50-1616G                     | S50-1617G                   |                             |                              |
|                     | 10          | S50-1616H                     | S50-1617H                   |                             |                              |
| 200                 | 5           | S50-1716F                     | S50-1717F                   | S50-1718F                   | S50-1719F                    |
|                     | 7,5         | S50-1716G                     | S50-1717G                   |                             |                              |
|                     | 10          | S50-1716H                     | S50-1717H                   |                             |                              |
|                     | 15          | S50-1716J                     | S50-1717J                   |                             |                              |
| 250                 | 5           | S50-1816F                     | S50-1817F                   | S50-1818F                   | S50-1819F                    |
|                     | 7,5         | S50-1816G                     | S50-1817G                   |                             | S50-1819G                    |
|                     | 10          | S50-1816H                     | S50-1817H                   | S50-1918H                   | S50-1819H                    |
|                     | 15          | S50-1816J                     | S50-1817J                   |                             |                              |
| 300                 | 5           | S50-1916F                     | S50-1917F                   | S50-1918F                   | S50-1919F                    |
|                     | 7,5         | S50-1916G                     | S50-1917G                   | S50-1918G                   | S50-1919G                    |
|                     | 10          | S50-1916H                     | S50-1917H                   |                             | S50-1919H                    |
|                     | 15          | S50-1916J                     | S50-1917J                   |                             |                              |
| 400                 | 5           | S50-2016F                     | S50-2017F                   | S50-2018F                   | S50-2019F                    |
|                     | 7,5         | S50-2016G                     | S50-2017G                   | S50-2018G                   | S50-2019G                    |
|                     | 10          | S50-2016H                     | S50-2017H                   | S50-2018H                   | S50-2019H                    |
|                     | 15          | S50-2016J                     | S50-2017J                   |                             | S50-2019J                    |
| 500                 | 5           | S50-2116F                     | S50-2117F                   | S50-2118F                   | S50-2119F                    |
|                     | 7,5         | S50-2116G                     | S50-2117G                   | S50-2118G                   | S50-2119G                    |
|                     | 10          | S50-2116H                     | S50-2117H                   | S50-2118H                   | S50-2119H                    |
|                     | 15          | S50-2116J                     | S50-2117J                   | S50-2118J                   | S50-2119J                    |
| 600                 | 5           | S50-2216F                     | S50-2217F                   | S50-2218F                   | S50-2219F                    |
|                     | 7,5         | S50-2216G                     | S50-2217G                   | S50-2218G                   | S50-2219G                    |
|                     | 10          | S50-2216H                     | S50-2217H                   | S50-2218H                   | S50-2219H                    |
|                     | 15          | S50-2216J                     | S50-2217J                   | S50-2218J                   | S50-2219J                    |
| 750                 | 5           | S50-2316F                     | S50-2317F                   | S50-2318F                   | S50-2319F                    |
|                     | 7,5         | S50-2316G                     | S50-2317G                   | S50-2318G                   | S50-2319G                    |
|                     | 10          | S50-2316H                     | S50-2317H                   | S50-2318H                   | S50-2319H                    |
|                     | 15          | S50-2316J                     | S50-2317J                   | S50-2318J                   | S50-2319J                    |
| 1000                | 5           | S50-2516F                     | S50-2517F                   | S50-2518F                   | S50-2519F                    |
|                     | 7,5         | S50-2516G                     | S50-2517G                   | S50-2518G                   | S50-2519G                    |
|                     | 10          | S50-2516H                     | S50-2517H                   | S50-2518H                   | S50-2519H                    |
|                     | 15          | S50-2516J                     | S50-2517J                   | S50-2518J                   | S50-2519J                    |
| 1200                | 5           | S50-2616F                     | S50-2617F                   | S50-2618F                   | S50-2619F                    |
|                     | 7,5         | S50-2616G                     | S50-2617G                   | S50-2618G                   | S50-2619G                    |
|                     | 10          | S50-2616H                     | S50-2617H                   | S50-2618H                   | S50-2619H                    |
|                     | 15          | S50-2616J                     | S50-2617J                   | S50-2618J                   | S50-2619J                    |
| 1250                | 5           | S50-2716F                     | S50-2717F                   | S50-2718F                   | S50-2719F                    |
|                     | 7,5         | S50-2716G                     | S50-2717G                   | S50-2718G                   | S50-2719G                    |
|                     | 10          | S50-2716H                     | S50-2717H                   | S50-2718H                   | S50-2719H                    |
|                     | 15          | S50-2716J                     | S50-2717J                   | S50-2718J                   | S50-2719J                    |
| 1500                | 5           | S50-2816F                     | S50-2817F                   | S50-2818F                   | S50-2819F                    |
|                     | 7,5         | S50-2816G                     | S50-2817G                   | S50-2818G                   | S50-2819G                    |
|                     | 10          | S50-2816H                     | S50-2817H                   | S50-2818H                   | S50-2819H                    |
|                     | 15          | S50-2816J                     | S50-2817J                   | S50-2818J                   | S50-2819J                    |

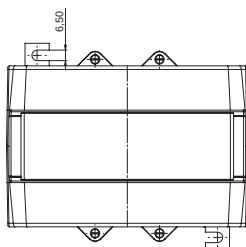
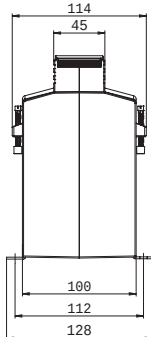
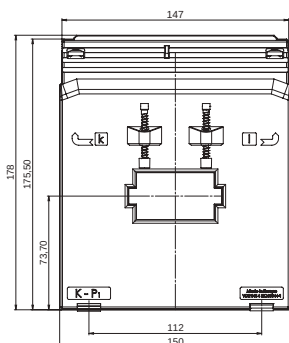


## SASK 61.10

Protection plug-in current transformer



Bus bar 1            60 x 10 mm  
 Bus bar 2            50 x 30 mm  
 Transformer width    150 mm  
 Height                175,5 mm  
 Depth                 114 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                              |                             |                              |
|---------------------|-------------|-------------------------------|------------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 5P15<br>Art.-no.   | 1 A<br>Cl. 10P15<br>Art.-no. | 1 A<br>Cl. 5P20<br>Art.-no. | 1 A<br>Cl. 10P20<br>Art.-no. |
| 150                 | 2,5         | S50-161AD                     | S50-161BD                    |                             |                              |
| 200                 | 2,5         | S50-171AD                     | S50-171BD                    | S50-171CD                   | S50-171DD                    |
| 250                 | 2,5         | S50-181AD                     | S50-181BD                    | S50-181CD                   | S50-181DD                    |
|                     | 5           | S50-181AF                     | S50-181BF                    |                             |                              |
| 300                 | 2,5         | S50-191AD                     | S50-191BD                    | S50-191CD                   | S50-191DD                    |
|                     | 5           | S50-191AF                     | S50-191BF                    |                             | S50-191DF                    |
| 400                 | 5           | S50-201AF                     | S50-201BF                    | S50-201CF                   | S50-201DF                    |
| 500                 | 5           | S50-211AF                     | S50-211BF                    | S50-211CF                   | S50-211DF                    |
|                     | 7,5         | S50-211AG                     | S50-211BG                    |                             |                              |
|                     | 10          | S50-211AH                     | S50-211BH                    |                             |                              |
| 600                 | 5           | S50-221AF                     | S50-221BF                    | S50-221CF                   | S50-221DF                    |
|                     | 7,5         | S50-221AG                     | S50-221BG                    |                             |                              |
|                     | 10          | S50-221AH                     | S50-221BH                    |                             |                              |
| 750                 | 5           | S50-231AF                     | S50-231BF                    | S50-231CF                   | S50-231DF                    |
|                     | 7,5         | S50-231AG                     | S50-231BG                    |                             |                              |
|                     | 10          | S50-231AH                     | S50-231BH                    |                             |                              |
| 1000                | 5           | S50-251AF                     | S50-251BF                    | S50-251CF                   | S50-251DF                    |
|                     | 7,5         | S50-251AG                     | S50-251BG                    |                             |                              |
|                     | 10          | S50-251AH                     | S50-251BH                    |                             |                              |
| 1200                | 5           | S50-261AF                     | S50-261BF                    | S50-261CF                   | S50-261DF                    |
|                     | 7,5         | S50-261AG                     | S50-261BG                    |                             |                              |
|                     | 10          | S50-261AH                     | S50-261BH                    |                             |                              |
| 1250                | 5           | S50-271AF                     | S50-271BF                    | S50-271CF                   | S50-271DF                    |
|                     | 7,5         | S50-271AG                     | S50-271BG                    |                             |                              |
|                     | 10          | S50-271AH                     | S50-271BH                    |                             |                              |
| 1500                | 5           | S50-281AF                     | S50-281BF                    | S50-281CF                   | S50-281DF                    |
|                     | 7,5         | S50-281AG                     | S50-281BG                    |                             |                              |
|                     | 10          | S50-281AH                     | S50-281BH                    |                             |                              |
|                     | 15          |                               | S50-281BJ                    |                             |                              |

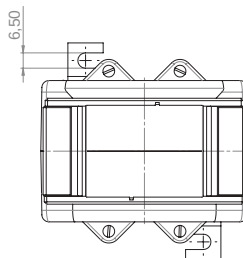
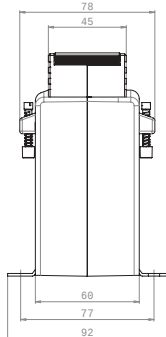
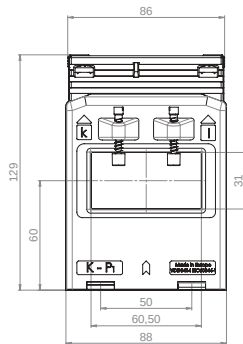
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## SASK 63.6

Protection plug-in current transformer



Bus bar 1                    60 x 30 mm  
Round conductor            30 mm  
Transformer width          88 mm  
Height                      129 mm  
Depth                        78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P5<br>Art.-no. | 1 A<br>Cl. 10P5<br>Art.-no. |
| 200                 | 1,5         | S46-1706C                     | S46-1707C                   | S46-1716C                  | S46-1717C                   |
|                     | 2,5         |                               | S46-1707D                   | S46-1716D                  | S46-1717D                   |
| 250                 | 1,5         | S46-1806C                     | S46-1807C                   | S46-1816C                  | S46-1817C                   |
|                     | 2,5         | S46-1806D                     | S46-1807D                   | S46-1816D                  | S46-1817D                   |
| 300                 | 1,5         | S46-1906C                     | S46-1907C                   | S46-1916C                  | S46-1917C                   |
|                     | 2,5         | S46-1906D                     | S46-1907D                   | S46-1916D                  | S46-1917D                   |
| 400                 | 2,5         | S46-2006D                     | S46-2007D                   | S46-2016D                  | S46-2017D                   |
|                     | 5           |                               | S46-2007F                   | S46-2016F                  | S46-2017F                   |
| 500                 | 2,5         | S46-2106D                     | S46-2107D                   | S46-2116D                  | S46-2117D                   |
|                     | 5           | S46-2106F                     | S46-2107F                   | S46-2116F                  | S46-2117F                   |
| 600                 | 2,5         | S46-2206D                     | S46-2207D                   | S46-2216D                  | S46-2217D                   |
|                     | 5           | S46-2206F                     | S46-2207F                   | S46-2216F                  | S46-2217F                   |
| 750                 | 2,5         | S46-2306D                     | S46-2307D                   | S46-2316D                  | S46-2317D                   |
|                     | 5           | S46-2306F                     | S46-2307F                   | S46-2316F                  | S46-2317F                   |
| 1000                | 2,5         | S46-2506D                     | S46-2507D                   | S46-2516D                  | S46-2517D                   |
|                     | 5           | S46-2506F                     | S46-2507F                   | S46-2516F                  | S46-2517F                   |

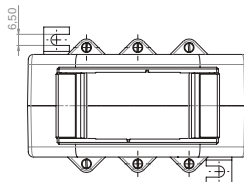
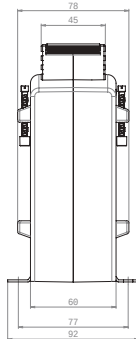
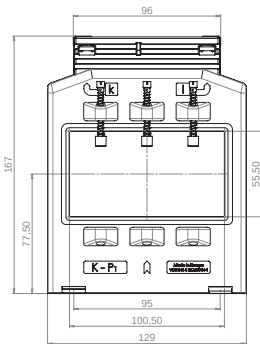
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## SASK 105.6

Protection plug-in current transformer



Bus bar 1                    100 x 55 mm  
Round conductor            55 mm  
Transformer width          129 mm  
Height                        167 mm  
Depth                         78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 5 A<br>Cl. 5P5<br>Art.-no.    | 5 A<br>Cl. 10P5<br>Art.-no. | 5 A<br>Cl. 5P10<br>Art.-no. | 5 A<br>Cl. 10P10<br>Art.-no. |
| 600                 | 2,5         | S56-2206C                     | S56-2207C                   | S56-2208D                   | S56-2209D                    |
|                     | 5           | S56-2206F                     | S56-2207F                   |                             | S56-2209F                    |
| 750                 | 2,5         | S56-2306C                     | S56-2307C                   | S56-2308D                   | S56-2309D                    |
|                     | 5           | S56-2306F                     | S56-2307F                   | S56-2308F                   | S56-2309F                    |
|                     | 7,5         | S56-2306G                     | S56-2307G                   |                             |                              |
|                     | 10          | S56-2306H                     | S56-2307H                   |                             |                              |
| 1000                | 5           | S56-2506F                     | S56-2507F                   | S56-2508F                   | S56-2509F                    |
|                     | 7,5         | S56-2506G                     | S56-2507G                   | S56-2508G                   | S56-2509G                    |
|                     | 10          | S56-2506H                     | S56-2507H                   |                             |                              |
| 1200                | 5           | S56-2606F                     | S56-2607F                   | S56-2608F                   | S56-2609F                    |
|                     | 7,5         | S56-2606G                     | S56-2607G                   | S56-2608G                   | S56-2609G                    |
|                     | 10          | S56-2606H                     | S56-2607H                   |                             |                              |
|                     | 15          | S56-2606J                     | S56-2607J                   |                             |                              |
| 1250                | 5           | S56-2706F                     | S56-2707F                   | S56-2708F                   | S56-2709F                    |
|                     | 7,5         | S56-2706G                     | S56-2707G                   | S56-2708G                   | S56-2709G                    |
|                     | 10          | S56-2706H                     | S56-2707H                   |                             |                              |
|                     | 15          | S56-2706J                     | S56-2707J                   |                             |                              |
| 1500                | 5           | S56-2806F                     | S56-2807F                   | S56-2808F                   | S56-2809F                    |
|                     | 7,5         | S56-2806G                     | S56-2807G                   | S56-2808G                   | S56-2809G                    |
|                     | 10          | S56-2806H                     | S56-2807H                   |                             |                              |
|                     | 15          | S56-2806J                     | S56-2807J                   |                             |                              |
| 1600                | 5           |                               |                             | S56-2908F                   | S56-2909F                    |
|                     | 7,5         | S56-2906G                     | S56-2907G                   | S56-2908G                   | S56-2909G                    |
|                     | 10          | S56-2906H                     | S56-2907H                   |                             |                              |
|                     | 15          | S56-2906J                     | S56-2907J                   |                             |                              |

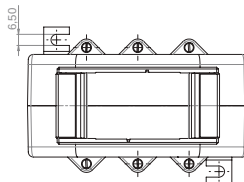
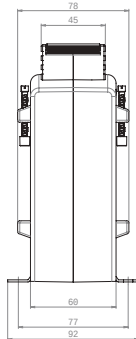
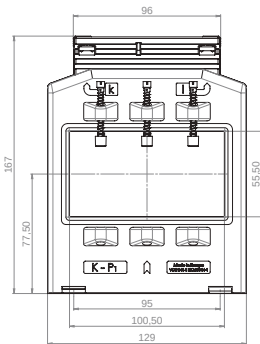
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## SASK 105.6

Protection plug-in current transformer



Bus bar 1                    100 x 55 mm  
Round conductor        55 mm  
Transformer width      129 mm  
Height                    167 mm  
Depth                    78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                             |                              |
|---------------------|-------------|-------------------------------|-----------------------------|-----------------------------|------------------------------|
|                     |             | 1 A<br>Cl. 5P5<br>Art.-no.    | 1 A<br>Cl. 10P5<br>Art.-no. | 1 A<br>Cl. 5P10<br>Art.-no. | 1 A<br>Cl. 10P10<br>Art.-no. |
| 600                 | 2,5         | S56-2216C                     | S56-2217C                   | S56-2218D                   | S56-2219D                    |
|                     | 5           | S56-2216F                     | S56-2217F                   |                             | S56-2219F                    |
| 750                 | 2,5         | S56-2316C                     | S56-2317C                   | S56-2318D                   | S56-2319D                    |
|                     | 5           | S56-2316F                     | S56-2317F                   | S56-2318F                   | S56-2319F                    |
|                     | 7,5         | S56-2316G                     | S56-2317G                   |                             |                              |
|                     | 10          | S56-2316H                     | S56-2317H                   |                             |                              |
| 1000                | 5           | S56-2516F                     | S56-2517F                   | S56-2518F                   | S56-2519F                    |
|                     | 7,5         | S56-2516G                     | S56-2517G                   | S56-2518G                   | S56-2519G                    |
|                     | 10          | S56-2516H                     | S56-2517H                   |                             |                              |
| 1200                | 5           | S56-2616F                     | S56-2617F                   | S56-2618F                   | S56-2619F                    |
|                     | 7,5         | S56-2616G                     | S56-2617G                   | S56-2618G                   | S56-2619G                    |
|                     | 10          | S56-2616H                     | S56-2617H                   |                             |                              |
|                     | 15          | S56-2616J                     | S56-2617J                   |                             |                              |
| 1250                | 5           | S56-2716F                     | S56-2717F                   | S56-2718F                   | S56-2719F                    |
|                     | 7,5         | S56-2716G                     | S56-2717G                   | S56-2718G                   | S56-2719G                    |
|                     | 10          | S56-2716H                     | S56-2717H                   |                             |                              |
|                     | 15          | S56-2716J                     | S56-2717J                   |                             |                              |
| 1500                | 5           | S56-2816F                     | S56-2817F                   | S56-2818F                   | S56-2819F                    |
|                     | 7,5         | S56-2816G                     | S56-2817G                   | S56-2818G                   | S56-2819G                    |
|                     | 10          | S56-2816H                     | S56-2817H                   |                             |                              |
|                     | 15          | S56-2816J                     | S56-2817J                   |                             |                              |
| 1600                | 5           |                               |                             | S56-2918F                   | S56-2919F                    |
|                     | 7,5         | S56-2916G                     | S56-2917G                   | S56-2918G                   | S56-2919G                    |
|                     | 10          | S56-2916H                     | S56-2917H                   |                             |                              |
|                     | 15          | S56-2916J                     | S56-2917J                   |                             |                              |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## **Low-voltage current transformers for industrial applications**

### **Three-phase current transformer set**

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**ASRD 14**

Round conductor: 3x 13,5 mm    Current range: 3x 50 ... 3x 150 A    Page: 162  
Transformer width: 105 mm

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**ASRD 210.3**

Round conductor: 3x 21,5 mm    Current range: 3x 75 ... 3x 250 A    Page: 163  
Transformer width: 49,6 mm

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**ASRD 205.37**

Bus bar 1: 3x 20 x 5 mm    Current range: 3x 100 ... 3x 250 A    Page: 164  
Round conductor: 3x 18 mm  
Transformer width: 115 mm

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**ASRD 310.37**

Bus bar 1: 3x 30 x 10 mm    Current range: 3x 250 ... 3x 600 A    Page: 165  
Round conductor: 3x 22 mm  
Transformer width: 150 mm

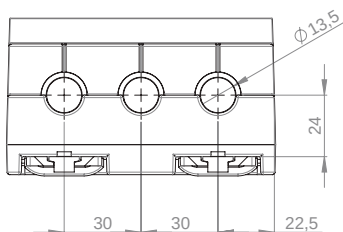
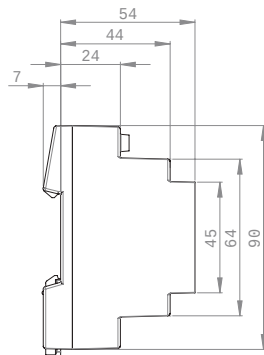
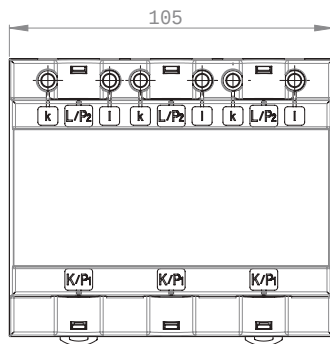
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## ASRD 14

### Three-phase current transformer set



Round conductor 13,5 mm  
 Transformer width 105 mm  
 Height 90 mm  
 Depth 54 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 50              | 1           | 96030                         |                            | 96230                    |                            |
| 3 x 60              | 1,25        | 96032                         |                            | 96232                    |                            |
| 3 x 75              | 1,5         | 96034                         |                            | 96234                    |                            |
| 3 x 80              | 1,5         | 96036                         |                            | 96236                    |                            |
| 3 x 100             | 2,5         | 96038                         |                            | 96238                    |                            |
| 3 x 125             | 2,5         | 96039                         | 96014                      | 96239                    | 96214                      |
| 3 x 150             | 2,5         | 96040                         | 96017                      | 96240                    | 96217                      |
|                     | 3,75        | 96044                         |                            | 96244                    |                            |

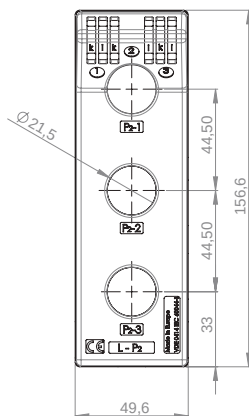
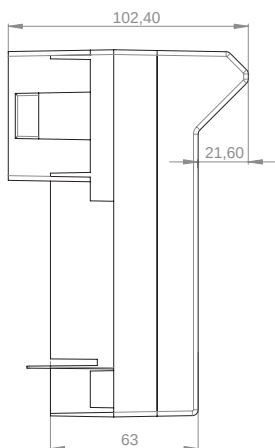
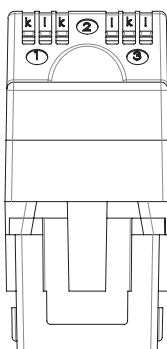
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

## ASRD 210.3

### Three-phase current transformer set



Round conductor 21,5 mm  
Transformer width 49,6 mm  
Height 156,6 mm  
Depth 103 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 75              | 1,25        | 27703                         |                            | 27803                    |                            |
|                     | 1,5         | 27704                         |                            | 27804                    |                            |
| 3 x 80              | 1,25        | 27705                         |                            | 27805                    |                            |
|                     | 1,5         | 27706                         |                            | 27806                    |                            |
| 3 x 100             | 1,5         | 27707                         |                            | 27807                    |                            |
|                     | 2,5         | 27708                         |                            | 27808                    |                            |
| 3 x 125             | 1,5         | 27709                         |                            | 27809                    |                            |
|                     | 2,5         | 27710                         |                            | 27810                    |                            |
|                     | 3,75        | 27711                         |                            | 27811                    |                            |
| 3 x 150             | 1,5         | 27712                         |                            | 27812                    |                            |
|                     | 2,5         | 27713                         | 27725                      | 27813                    | 27825                      |
|                     | 3,75        | 27714                         |                            | 27814                    |                            |
| 3 x 200             | 1,5         | 27715                         |                            | 27815                    |                            |
|                     | 2,5         | 27716                         |                            | 27816                    |                            |
|                     | 5           | 27717                         |                            | 27817                    |                            |
| 3 x 250             | 2,5         | 27718                         |                            | 27818                    |                            |
|                     | 5           | 27719                         |                            | 27819                    |                            |

|  |                  | Art.-no. |
|--|------------------|----------|
|  | Snap-on mounting | -        |
|  | Sealed shutter   | -        |

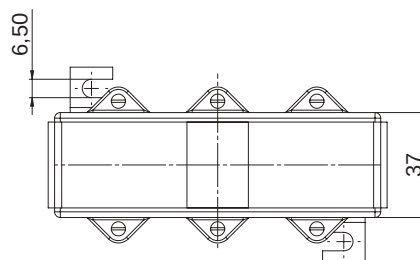
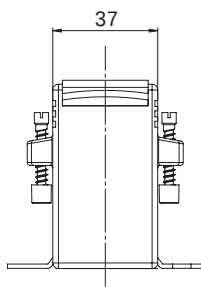
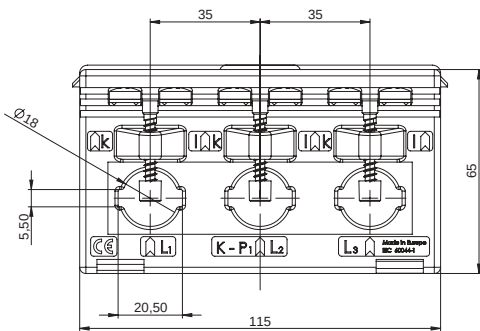
## ASRD 205.37

### Three-phase current transformer set



|                   |           |
|-------------------|-----------|
| Bus bar 1         | 20 x 5 mm |
| Round conductor   | 18 mm     |
| Transformer width | 115 mm    |
| Height            | 65 mm     |
| Depth             | 37 mm     |

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 3 x 100             | 1           | D205-010                      | D205-020                 |
| 3 x 150             | 1,25        | D205-011                      | D205-021                 |
| 3 x 160             | 1,5         | D205-014                      | D205-024                 |
| 3 x 200             | 1,5         | D205-012                      | D205-022                 |
| 3 x 250             | 2,5         | D205-013                      | D205-023                 |





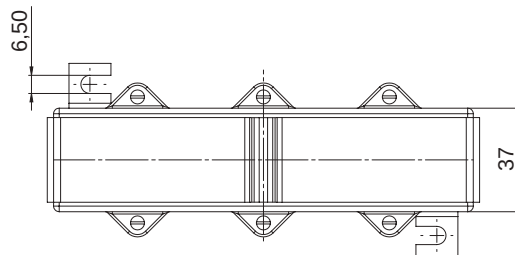
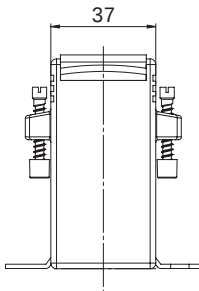
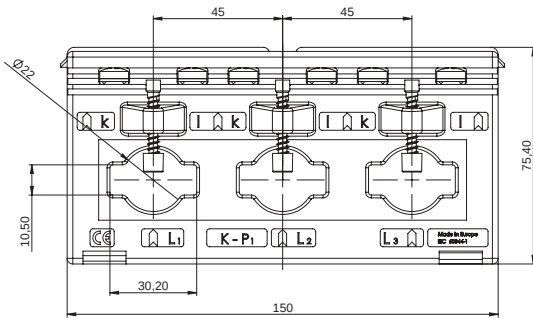
## ASRD 310.37

### Three-phase current transformer set



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                          |
|---------------------|-------------|-------------------------------|--------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 1 A<br>Cl. 1<br>Art.-no. |
| 3 x 250             | 2,5         | D310-010                      | D310-020                 |
| 3 x 300             | 3,75        | D310-011                      | D310-021                 |
| 3 x 400             | 5           | D310-012                      | D310-022                 |
| 3 x 500             | 5           | D310-013                      | D310-023                 |
| 3 x 600             | 5           | D310-014                      | D310-024                 |

Bus bar 1                    30 x 10 mm  
 Round conductor            22 mm  
 Transformer width          150 mm  
 Height                        75 mm  
 Depth                         37 mm



## **Low-voltage current transformers for industrial applications**

### **Three-phase current transformer set incl. bus bars and optionally with neutral conductor**

|                                             |                                                                                                      |                                    |           |
|---------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------|-----------|
| <b>ASK(D) 21.3</b>                          | Bus bar 1: 3x 12 x 5 mm<br>Neutral: 1x 12 x 5 mm<br>Base plate: yes<br>Transformer width: 176,5 mm   | Current range: 3x 100 ... 3x 200 A | Page: 168 |
| <b>ASK(D) 31.5</b><br><b>ASK(D) 31.5 2U</b> | Bus bar 1: 3x 30 x 10 mm<br>Neutral: 1x 30 x 10 mm<br>Base plate: yes<br>Transformer width: 232,5 mm | Current range: 3x 75 ... 3x 750 A  | Page: 170 |
| <b>WSKD 31.8</b>                            | Bus bar 1: 3x 30 x 6 mm<br>Neutral: 1x 30 x 6 mm<br>Base plate: yes<br>Transformer width: 235,5 mm   | Current range: 3x 50 ... 3x 150 A  | Page: 173 |
| <b>WSKD 31.8</b>                            | Bus bar 1: 3x 30 x 6 mm<br>Neutral: without<br>Base plate: no<br>Transformer width: 205,5 mm         | Current range: 3x 50 ... 3x 150 A  | Page: 175 |
| <b>ASKD 31.8</b>                            | Bus bar 1: 3x 30 x 6 mm<br>Neutral: 1x 30 x 6 mm<br>Base plate: yes<br>Transformer width: 235,5 mm   | Current range: 3x 200 ... 3x 600 A | Page: 176 |
| <b>ASKD 31.8</b>                            | Bus bar 1: 3x 30 x 6 mm<br>Neutral: without<br>Base plate: no<br>Transformer width: 205,5 mm         | Current range: 3x 200 ... 3x 600 A | Page: 177 |



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## Three-phase current transformer set

### ASK(D) 21.3

with Plexiglas caps

#### Configuration:

The measuring transformer set consists of 3 individual current transformers which are mounted on an aluminium base plate together with the primary conductors  $L_1$ ,  $L_2$ ,  $L_3$  and neutral conductor.

**The current transformer set can be supplied with or without fuses. The voltage supply is optional and can be tapped either from the 10 A-NEOZED fuse or from the individual primary conductors.**

Transparent, sealable covers protect the secondary terminals of the current transformers against external tampering. All voltage carrying parts of the assembled current transformer set are made shock-proof with isolating covers which are included in the deliveries.

Flexible copper wire with a nominal cross section of 16 mm<sup>2</sup> up to 70 mm<sup>2</sup> can be connected to the primary connection terminals.

The configuration of this current transformer set conforms to the technical requirements and guidance:

IEC 61869/1+2

DIN 42600

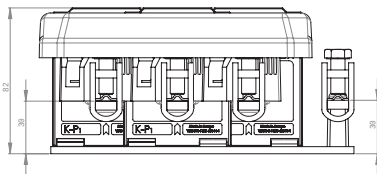


## ASK(D) 21.3 with b ase plate

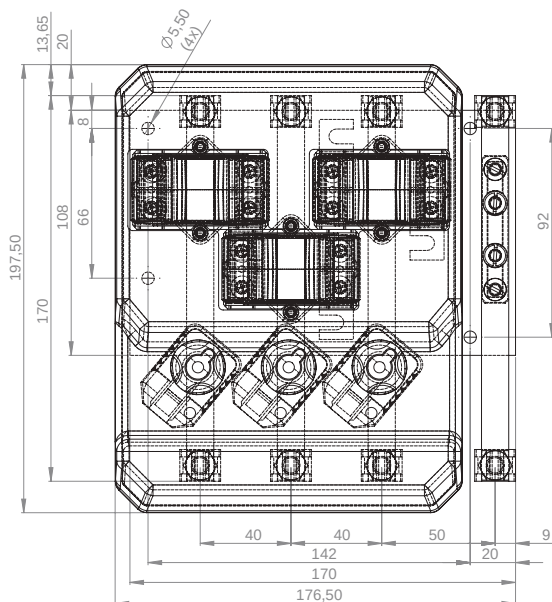
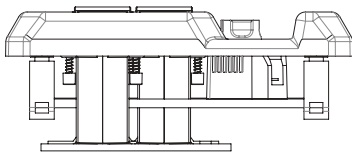
Three-phase current transformer set



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 100             | 1,5         | 56027                         | 56011                      | 56227                    | 56211                      |
|                     | 2,5         | 56028                         | 56012                      | 56228                    | 56212                      |
| 3 x 150             | 1,5         | 56029                         | 56013                      | 56229                    | 56213                      |
|                     | 2,5         | 56030                         | 56014                      | 56230                    | 56214                      |
|                     | 5           | 56043                         | 56015                      | 56243                    | 56215                      |
| 3 x 200             | 1,5         | 56031                         | 56016                      | 56231                    | 56216                      |
|                     | 2,5         | 56032                         | 56017                      | 56232                    | 56217                      |
|                     | 5           | 56033                         | 56018                      | 56233                    | 56218                      |



|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type A</b> | <b>59040</b> |



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## Three-phase current transformer set

**ASK(D) 31.5**

**ASK(D) 31.5 2U**

with Plexiglas caps

### Configuration:

The measuring transformer set consists of 3 individual current transformers which are mounted on an aluminium base plate together with the primary conductors  $L_1$ ,  $L_2$ ,  $L_3$ . Transparent sealable covers protect the secondary terminals of the current transformers against external tampering.

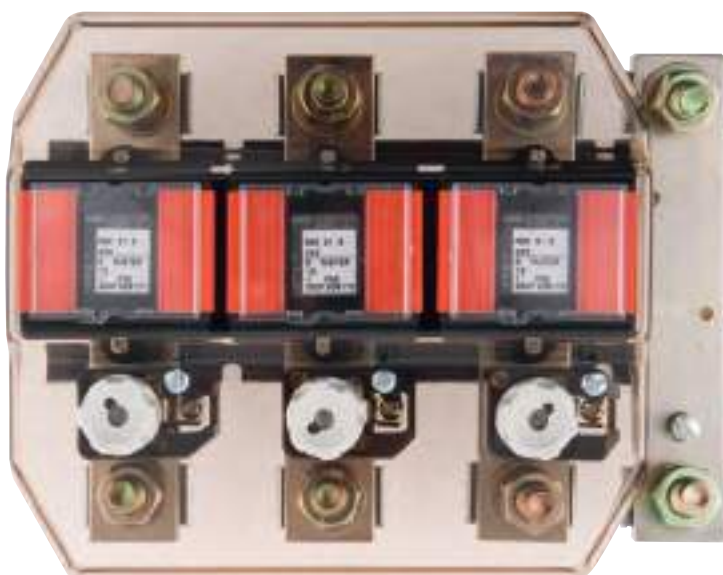
Stipulation of the VBG4 (German protection clause) demands that all voltage carrying parts are made shock-proof with transparent isolating covers which are included in the deliveries.

**As an option the current transformer set can be supplied with or without fuses. The voltage can be tapped either from the 10 A-fuse element or directly from the individual primary conductor.**

The configuration of this current transformer set conforms to the technical requirements and guidance:

IEC 61869/1+2

DIN 42600



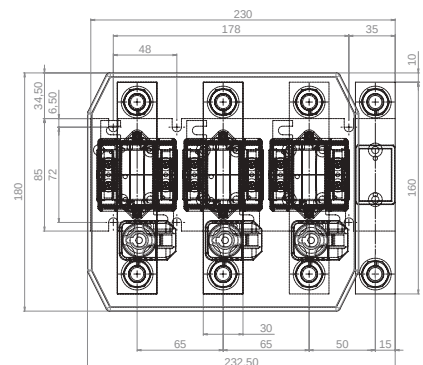
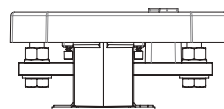
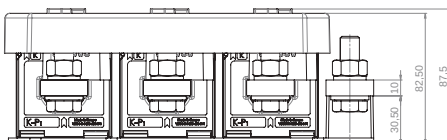
## ASK(D) 31.5 with base plate

Three-phase current transformer set



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 75              | 2,5         | 57043                         | 57011                      | 57243                    | 57211                      |
|                     | 5           | 57044                         | 57012                      | 57244                    | 57212                      |
| 3 x 100             | 2,5         | 57045                         | 57013                      | 57245                    | 57213                      |
|                     | 5           | 57046                         | 57014                      | 57246                    | 57214                      |
| 3 x 150             | 2,5         | 57047                         | 57015                      | 57247                    | 57215                      |
|                     | 5           | 57048                         | 57016                      | 57248                    | 57216                      |
| 3 x 200             | 2,5         | 57049                         | 57017                      | 57249                    | 57217                      |
|                     | 5           | 57050                         | 57018                      | 57250                    | 57218                      |
| 3 x 250             | 2,5         | 57051                         | 57019                      | 57251                    | 57219                      |
|                     | 5           | 57052                         | 57020                      | 57252                    | 57220                      |
| 3 x 300             | 10          | 57053                         | 57021                      | 57253                    | 57221                      |
|                     | 15          | 57054                         | 57022                      | 57254                    | 57222                      |
| 3 x 300             | 2,5         | 57055                         | 57023                      | 57255                    | 57223                      |
|                     | 5           | 57056                         | 57024                      | 57256                    | 57224                      |
| 3 x 300             | 10          | 57057                         | 57025                      | 57257                    | 57225                      |
|                     | 15          | 57058                         | 57026                      | 57258                    | 57226                      |
| 3 x 400             | 2,5         | 57059                         | 57027                      | 57259                    | 57227                      |
|                     | 5           | 57060                         | 57028                      | 57260                    | 57228                      |
| 3 x 400             | 10          | 57061                         | 57029                      | 57261                    | 57229                      |
|                     | 15          | 57062                         | 57030                      | 57262                    | 57230                      |
| 3 x 500             | 2,5         | 57063                         | 57031                      | 57263                    | 57231                      |
|                     | 5           | 57064                         | 57032                      | 57264                    | 57232                      |
| 3 x 500             | 10          | 57065                         | 57033                      | 57265                    | 57233                      |
|                     | 15          | 57066                         | 57034                      | 57266                    | 57234                      |
| 3 x 600             | 2,5         | 57067                         | 57035                      | 57267                    | 57235                      |
|                     | 5           | 57068                         | 57036                      | 57268                    | 57236                      |
| 3 x 600             | 10          | 57069                         | 57037                      | 57269                    | 57237                      |
|                     | 15          | 57070                         | 57038                      | 57270                    | 57238                      |
| 3 x 750             | 2,5         | 57071                         | 57039                      | 57271                    | 57239                      |
|                     | 5           | 57072                         | 57040                      | 57272                    | 57240                      |
| 3 x 750             | 10          | 57073                         | 57041                      | 57273                    | 57241                      |
|                     | 15          | 57074                         | 57042                      | 57274                    | 57242                      |

|                                                                                     |                        | Art.-no. |
|-------------------------------------------------------------------------------------|------------------------|----------|
|  | Snap-on mounting       | —        |
|  | Sealed shutter, type B | 59041    |



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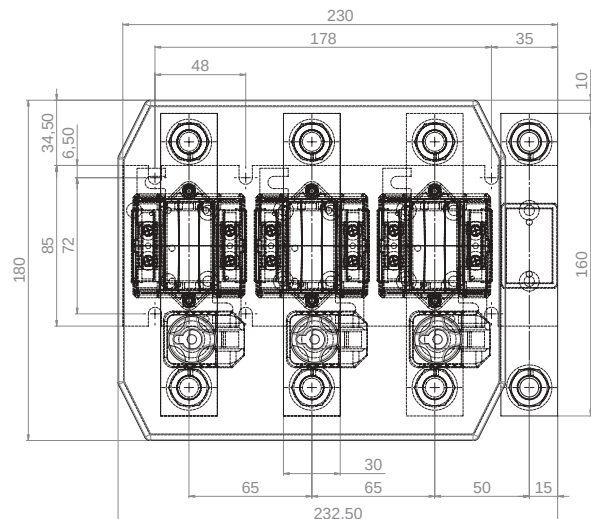
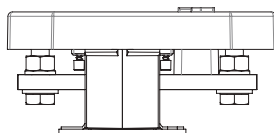
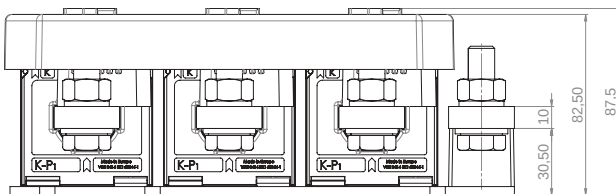
## ASK(D) 31.5 2U with base plate

Three-phase current transformer set,  
secondary reconnectable



|                     |             | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 200-100         | 5-2,5       | 57090                         | 57080                      | 57290                    | 57280                      |
|                     | 10-5        | 57091                         | 57081                      | 57291                    | 57281                      |
| 3 x 300-150         | 5-2,5       | 57092                         | 57082                      | 57292                    | 57282                      |
|                     | 10-5        | 57093                         | 57083                      | 57293                    | 57283                      |
| 3 x 400-200         | 5-2,5       | 57094                         | 57084                      | 57294                    | 57284                      |
|                     | 10-5        | 57095                         | 57085                      | 57295                    | 57285                      |
| 3 x 500-250         | 5-2,5       | 57096                         | 57086                      | 57296                    | 57286                      |
|                     | 10-5        | 57097                         | 57087                      | 57297                    | 57287                      |
| 3 x 600-300         | 5-2,5       | 57098                         | 57088                      | 57298                    | 57288                      |
|                     | 10-5        | 57099                         | 57089                      | 57299                    | 57289                      |

|                                                                                   |                               | Art.-no.     |
|-----------------------------------------------------------------------------------|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type B</b> | <b>59041</b> |





## Three-phase current transformer sets

### WSKD 31.8

### ASKD 31.8

with Plexiglas caps

#### Configuration:

The measuring transformer set of the WSKD 31.8 / ASKD 31.8 conform to the following standards:

- IEC 61869/1+2
- DIN 42600

Mounted in housing units, are the current transformer sets, consisting of 3 identical individual current transformers, fitted on a metallic base plate made of aluminium with a neutral conductor. The WSKD 31.8 is produced as a wound current transformer with 3 fixed primary windings for primary currents up to 150 A.

The ASKD 31.8 with primary nominal currents from 200 A are supplied with primary bus bars.

**The current transformer set can be supplied with or without fuses. The voltage supply is optional and can be tapped either from the 10 A-fuse element or directly from the individual primary conductor.**

With 4 mm bore-holes arranged within the secondary connection terminals, a short circuit of the secondary circuit is made possible, when interchanging energy meters. The transformer set can be supplied with or without a base plate (without a base plate there is no neutral conductor rail). All voltage carrying parts of the assembled current transformer sets are made shock-proof with isolating covers which are included in the deliveries.

#### General technical details:

|                                             |                                                            |
|---------------------------------------------|------------------------------------------------------------|
| Max. permitted operating voltage:           | 0.72 kV                                                    |
| Rated frequency:                            | 50 Hz                                                      |
| Over current rated limiting factor:         | FS 5                                                       |
| Thermal rated continuous current intensity: | $1.2 \times I_N$                                           |
| Thermal rated short time current:           | $50 \times I_N$ (WSKD 31.8)<br>$60 \times I_N$ (ASKD 31.8) |
| Isolation class:                            | E                                                          |

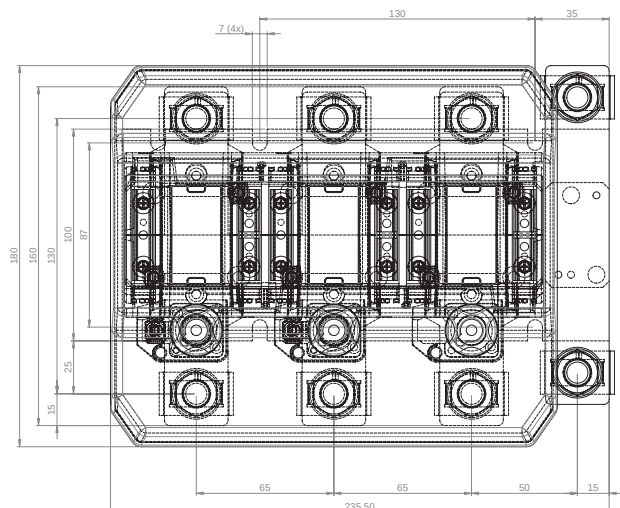
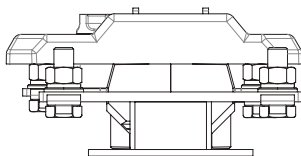
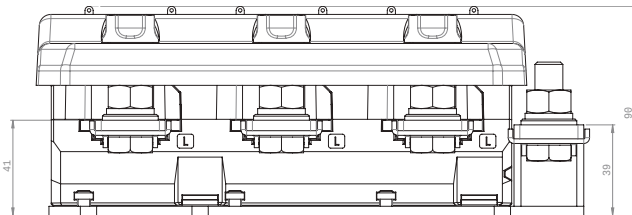
## WSKD 31.8 with base plate

Three-phase current transformer set



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 50              | 2,5         | 44030                         | 44011                      | 44230                    | 44211                      |
|                     | 5           | 44031                         | 44012                      | 44231                    | 44212                      |
|                     | 10          | 44032                         | 44013                      | 44232                    | 44213                      |
| 3 x 75              | 2,5         | 44034                         | 44015                      | 44234                    | 44215                      |
|                     | 5           | 44035                         | 44016                      | 44235                    | 44216                      |
|                     | 10          | 44036                         | 44017                      | 44236                    | 44217                      |
| 3 x 100             | 2,5         | 44038                         | 44019                      | 44238                    | 44219                      |
|                     | 5           | 44039                         | 44020                      | 44239                    | 44220                      |
|                     | 10          | 44040                         | 44021                      | 44240                    | 44221                      |
| 3 x 150             | 2,5         | 44042                         | 44023                      | 44242                    | 44223                      |
|                     | 5           | 44043                         | 44024                      | 44243                    | 44224                      |
|                     | 10          | 44044                         | 44025                      | 44244                    | 44225                      |

|                                                                                    |                         | Art.-no. |
|------------------------------------------------------------------------------------|-------------------------|----------|
|   | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |



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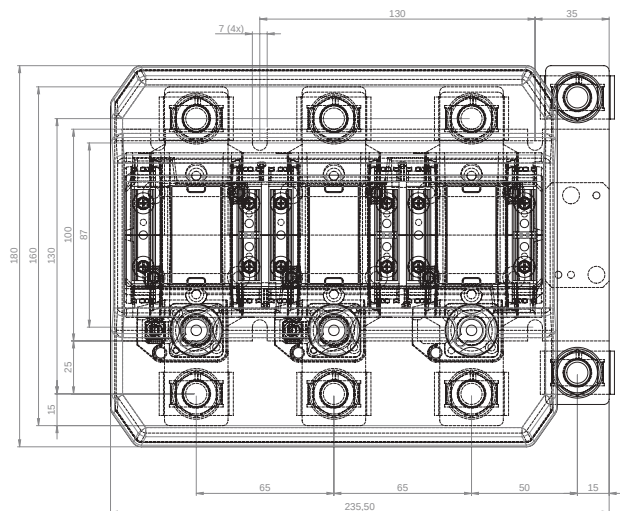
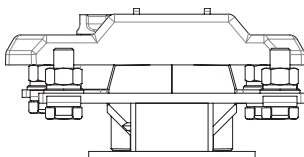
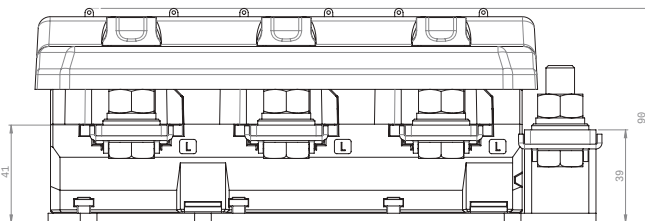
## WSKD 31.8 without base plate and neutral

Three-phase current transformer set



|                     |             | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 50              | 2,5         | 45030                         | 45011                      | 45230                    | 45211                      |
|                     | 5           | 45031                         | 45012                      | 45231                    | 45212                      |
|                     | 10          | 45032                         | 45013                      | 45232                    | 45213                      |
| 3 x 75              | 2,5         | 45034                         | 45015                      | 45234                    | 45215                      |
|                     | 5           | 45035                         | 45016                      | 45235                    | 45216                      |
|                     | 10          | 45036                         | 45017                      | 45236                    | 45217                      |
| 3 x 100             | 2,5         | 45038                         | 45019                      | 45238                    | 45219                      |
|                     | 5           | 45039                         | 45020                      | 45239                    | 45220                      |
|                     | 10          | 45040                         | 45021                      | 45240                    | 45221                      |
| 3 x 150             | 2,5         | 45042                         | 45023                      | 45242                    | 45223                      |
|                     | 5           | 45043                         | 45024                      | 45243                    | 45224                      |
|                     | 10          | 45044                         | 45025                      | 45244                    | 45225                      |

|                                                                                     |                         | Art.-no. |
|-------------------------------------------------------------------------------------|-------------------------|----------|
|   | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |



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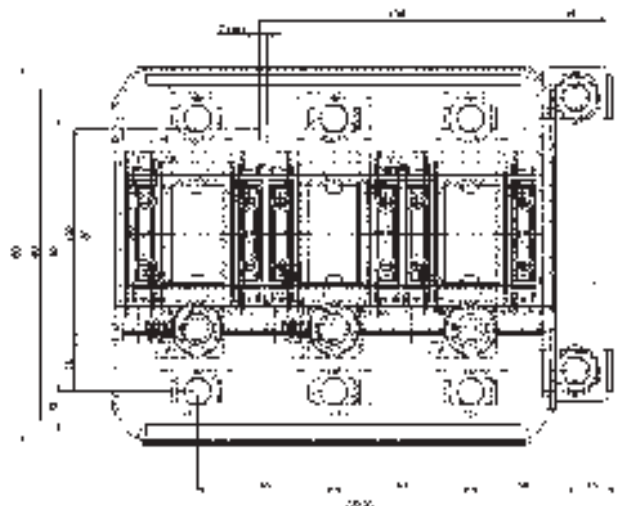
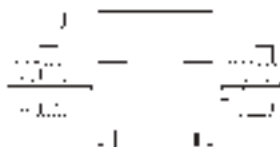
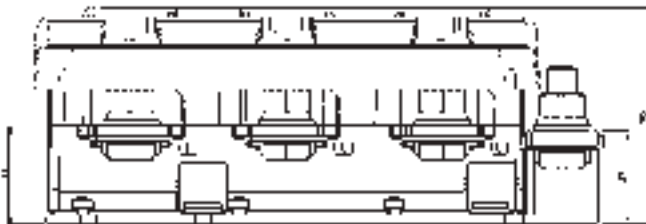
## ASKD 31.8 with base plate

Three-phase current transformer set



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 200             | 2,5         | 46041                         | 46011                      | 46241                    | 46211                      |
|                     | 5           | 46042                         | 46012                      | 46242                    | 46212                      |
|                     | 10          | 46043                         | 46013                      | 46243                    | 46213                      |
| 3 x 250             | 2,5         | 46045                         | 46015                      | 46245                    | 46215                      |
|                     | 5           | 46046                         | 46016                      | 46246                    | 46216                      |
|                     | 10          | 46047                         | 46017                      | 46247                    | 46217                      |
| 3 x 300             | 2,5         | 46049                         | 46019                      | 46249                    | 46219                      |
|                     | 5           | 46050                         | 46020                      | 46250                    | 46220                      |
|                     | 10          | 46051                         | 46021                      | 46251                    | 46221                      |
|                     | 15          | 46052                         | 46022                      | 46252                    | 46222                      |
| 3 x 400             | 2,5         | 46053                         | 46023                      | 46253                    | 46223                      |
|                     | 5           | 46054                         | 46024                      | 46254                    | 46224                      |
|                     | 10          | 46055                         | 46025                      | 46255                    | 46225                      |
|                     | 15          | 46056                         | 46026                      | 46256                    | 46226                      |
| 3 x 500             | 2,5         | 46058                         | 46028                      | 46258                    | 46228                      |
|                     | 5           | 46059                         | 46029                      | 46259                    | 46229                      |
|                     | 10          | 46060                         | 46030                      | 46260                    | 46230                      |
|                     | 15          | 46061                         | 46031                      | 46261                    | 46231                      |
| 3 x 600             | 2,5         | 46063                         | 46033                      | 46263                    | 46233                      |
|                     | 5           | 46064                         | 46034                      | 46264                    | 46234                      |
|                     | 10          | 46065                         | 46035                      | 46265                    | 46235                      |
|                     | 15          | 46066                         | 46036                      | 46266                    | 46236                      |

|                                                                                     |                         | Art.-no. |
|-------------------------------------------------------------------------------------|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |



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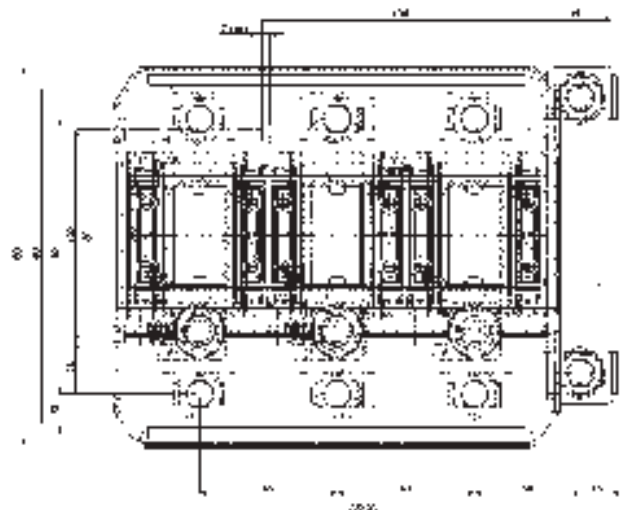
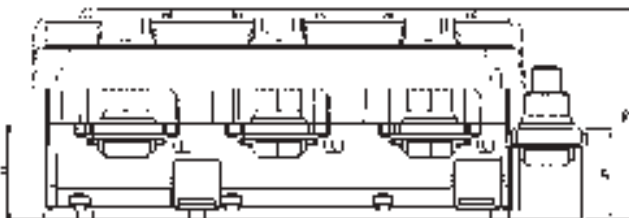
## ASKD 31.8 without base plate and neutral

Three-phase current transformer set



|                     |             | Secondary current [A] / Class |                            |                          |                            |
|---------------------|-------------|-------------------------------|----------------------------|--------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 1<br>Art.-no.      | 5 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 1<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. |
| 3 x 200             | 2,5         | 47041                         | 47011                      | 47241                    | 47211                      |
|                     | 5           | 47042                         | 47012                      | 47242                    | 47212                      |
|                     | 10          | 47043                         | 47013                      | 47243                    | 47213                      |
| 3 x 250             | 2,5         | 47045                         | 47015                      | 47245                    | 47215                      |
|                     | 5           | 47046                         | 47016                      | 47246                    | 47216                      |
|                     | 10          | 47047                         | 47017                      | 47247                    | 47217                      |
| 3 x 300             | 2,5         | 47049                         | 47019                      | 47249                    | 47219                      |
|                     | 5           | 47050                         | 47020                      | 47250                    | 47220                      |
|                     | 10          | 47051                         | 47021                      | 47251                    | 47221                      |
|                     | 15          | 47052                         | 47022                      | 47252                    | 47222                      |
| 3 x 400             | 2,5         | 47053                         | 47023                      | 47253                    | 47223                      |
|                     | 5           | 47054                         | 47024                      | 47254                    | 47224                      |
|                     | 10          | 47055                         | 47025                      | 47255                    | 47225                      |
|                     | 15          | 47056                         | 47026                      | 47256                    | 47226                      |
| 3 x 500             | 2,5         | 47058                         | 47028                      | 47258                    | 47228                      |
|                     | 5           | 47059                         | 47029                      | 47259                    | 47229                      |
|                     | 10          | 47060                         | 47030                      | 47260                    | 47230                      |
|                     | 15          | 47061                         | 47031                      | 47261                    | 47231                      |
| 3 x 600             | 2,5         | 47063                         | 47033                      | 47263                    | 47233                      |
|                     | 5           | 47064                         | 47034                      | 47264                    | 47234                      |
|                     | 10          | 47065                         | 47035                      | 47265                    | 47235                      |
|                     | 15          | 47066                         | 47036                      | 47266                    | 47236                      |

|                                                                                     |                         | Art.-no. |
|-------------------------------------------------------------------------------------|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |



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## **Low-voltage current transformers for industrial applications**

### **Three-phase current transformer set with innovative connection technology to measuring unit**

|                 |                                                                                                                                        |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>ASKDS 25</b> | Bus bar 1: 3x 21 x 25 mm    Current range: 3x 60 ... 3x 250 A    Page: 180<br>Round conductor: 3x 21 mm<br>Transformer width: 110,5 mm |
| <b>ASKDS 33</b> | Bus bar 1: 3x 30 x 29 mm    Current range: 3x 250 ... 3x 600 A    Page: 180<br>Round conductor: 3x 29 mm<br>Transformer width: 140 mm  |
| <b>ASKDS 55</b> | Bus bar 1: 3x 50 x 54 mm    Current range: 3x 750 ... 3x 1250 A    Page: 180<br>Round conductor: 3x 50 mm<br>Transformer width: 215 mm |
| <b>MPR 3</b>    | Multifunktionales Leistungsmessgerät 72 x 72 mm    Page: 182                                                                           |
| <b>MPR 4</b>    | Multifunktionales Leistungsmessgerät 96 x 96 mm    Page: 184                                                                           |

**Innovative connection technology to plug three single-phase current transformers to multifunctional power measuring unit**

## „Quick Connect“



**– Quick – simple – efficient –  
Safe and reliable**

### Your advantages when choosing „Quick Connect“

- Considerable reduction of working time because of less wiring and installation work
- Vast saving of labour costs through faster wiring
- Elimination of connection errors due to simple „Plug 'n Play“ technology
- Increased safety and less downtime due to integrated protection circuit, which allows to connect the three single-phase current transformers even when the grid is energized
- Large current range from 60 – 1250 A with only three different types of current transformer
- Two multifunctional power measuring units (72x72 mm & 96x96 mm) to select



**„Quick Connect“ – the modular power meter system of MBS**

### How it works:

1. Choose current transformer (three construction types, selectable from 60 A up to 1250 A)
2. Define the needed measuring unit (MPR 3 in size 72x72 mm or MPR 4 in size 96x96 mm)
3. Pick the required cable length (0.3 m – max. 5.0 m; standard: 1 m)
4. Send all information to MBS – and you're done!

**You have never set the components for a multifunctional power meter system faster.**

### MBS AG

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Germany

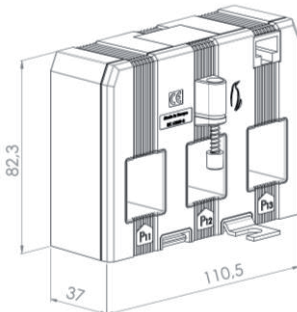
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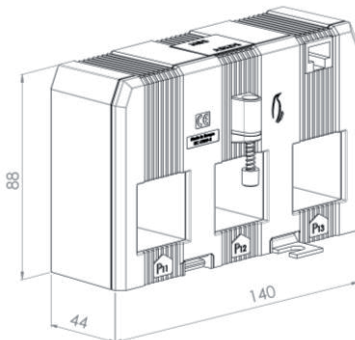
## Three single-phase current transformers „ASKDS“ with innovative connection technology „Quick Connect“



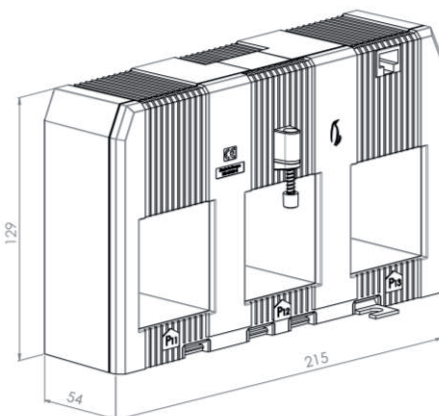
### ASKDS 25



### ASKDS 33



### ASKDS 55



### Quick – simple – efficient

- Quicker installation than with three conventional current transformers
- Simpler wiring by 8-pin RJ45-connector, instead of 6 individual wires when using conventional current transformers
- Most efficient set-up of a multifunction power measurement combined with our multifunctional power measuring unit MPR 3 (72x72 mm) or MPR 4 (96x96 mm)

### Features / benefits

- Three single-phase current-transformer-set designed for the usage together with our multifunctional power measuring units MPR 3 (72x72 mm) or MPR 4 (96x96 mm)
- Transmission of the measuring signal to the measuring unit using a modified RJ45 bus via a standard-CAT5-patch cable (deliverable in different lengths, max. 5m)
- All current transformers can be operated permanently open, due to a built-in protection circuit
- Three single-phase current transformer-set developed for installation directly in the region of standard circuit breakers

### General technical specifications

- Operating temperature:  $-10^{\circ}\text{C} < T < +50^{\circ}\text{C}$
- Storage temperature:  $-25^{\circ}\text{C} < T < +70^{\circ}\text{C}$
- Therm. nominal continuous rated current  $I_{\text{cth}}$ :  $1.0 \times I_N$
- Therm. nominal short-time current  $I_{\text{th}}$ :  $60 \times I_N$ , 1 sec.
- Max. operating voltage  $U_m$ : 1.2 kV
- Isolation test voltage: 6 kV,  $U_{\text{eff}}$ , 50 Hz, 1 min.
- Output limit under overload:  $\leq 2 \times U_{AN}$
- Rated frequency: 50 Hz
- Isolation class: B
- Applicable technical standard: IEC 61869, part 8

### Main dimensions

| Dimension \ Type         | ASKDS 25   | ASKDS 33       | ASKDS 55     |
|--------------------------|------------|----------------|--------------|
| Window dimension (w x h) | 21 x 25 mm | 30.5 x 29.5 mm | 50.2 x 54 mm |
| Distance between phases  | 35 mm      | 45 mm          | 70 mm        |
| Transformer width        | 110.5 mm   | 140 mm         | 215 mm       |
| Transformer height       | 82.3 mm    | 88 mm          | 129 mm       |
| Transformer depth        | 56 mm      | 63 mm          | 73 mm        |

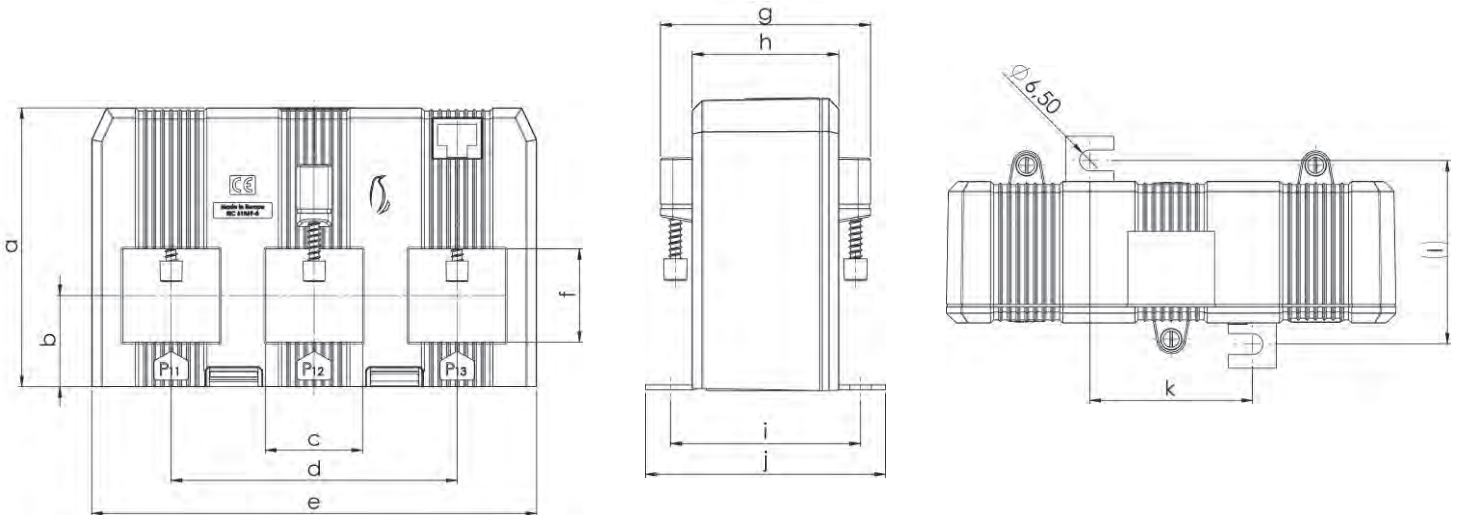
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## Dimensions



## Dimension table

| Dim.     | a    | b     | c    | d    | e     | f    | g    | h    | i    | j    | k     | l    |
|----------|------|-------|------|------|-------|------|------|------|------|------|-------|------|
| Type     | [mm] | [mm]  | [mm] | [mm] | [mm]  | [mm] | [mm] | [mm] | [mm] | [mm] | [mm]  | [mm] |
| ASKDS 25 | 82.3 | 28.5  | 21   | 70   | 110.5 | 25   | 56   | 37   | 57   | 72   | 35    | 57   |
| ASKDS 33 | 88   | 28.75 | 30.5 | 90   | 140   | 29.5 | 63   | 44   | 57   | 72   | 50.6  | 57   |
| ASKDS 55 | 129  | 46    | 50.2 | 140  | 215   | 54   | 73   | 54   | 64   | 79   | 112.5 | 64   |

## Order list

### „Quick Connect“ with ASKDS 25

| Art.-no. | Primary current [A] | Meas. unit | RJ45 cable |
|----------|---------------------|------------|------------|
| 150-0001 | 60                  | MPR 3      | 1 m        |
| 150-0002 | 75                  | MPR 3      | 1 m        |
| 150-0003 | 100                 | MPR 3      | 1 m        |
| 150-0004 | 150                 | MPR 3      | 1 m        |
| 150-0005 | 200                 | MPR 3      | 1 m        |
| 150-0006 | 250                 | MPR 3      | 1 m        |
| 150-3301 | 60                  | MPR 4      | 1 m        |
| 150-3302 | 75                  | MPR 4      | 1 m        |
| 150-3303 | 100                 | MPR 4      | 1 m        |
| 150-3304 | 150                 | MPR 4      | 1 m        |
| 150-3305 | 200                 | MPR 4      | 1 m        |
| 150-3306 | 250                 | MPR 4      | 1 m        |

## Order list

### „Quick Connect“ with ASKDS 33

| Best.-Nr. | Primary current [A] | Meas. unit | RJ45 cable |
|-----------|---------------------|------------|------------|
| 150-0007  | 250                 | MPR 3      | 1 m        |
| 150-0008  | 300                 | MPR 3      | 1 m        |
| 150-0009  | 400                 | MPR 3      | 1 m        |
| 150-0010  | 500                 | MPR 3      | 1 m        |
| 150-0011  | 600                 | MPR 3      | 1 m        |
| 150-3307  | 250                 | MPR 4      | 1 m        |
| 150-3308  | 300                 | MPR 4      | 1 m        |
| 150-3309  | 400                 | MPR 4      | 1 m        |
| 150-3310  | 500                 | MPR 4      | 1 m        |
| 150-3311  | 600                 | MPR 4      | 1 m        |

## Order list

### „Quick Connect“ with ASKDS 55

| Best.-Nr. | Primary current [A] | Meas. unit | RJ45 cable |
|-----------|---------------------|------------|------------|
| 150-0012  | 750                 | MPR 3      | 1 m        |
| 150-0013  | 800                 | MPR 3      | 1 m        |
| 150-0015  | 1000                | MPR 3      | 1 m        |
| 150-0015  | 1200                | MPR 3      | 1 m        |
| 150-0016  | 1250                | MPR 3      | 1 m        |
| 150-3312  | 750                 | MPR 4      | 1 m        |
| 150-3313  | 800                 | MPR 4      | 1 m        |
| 150-3314  | 1000                | MPR 4      | 1 m        |
| 150-3315  | 1200                | MPR 4      | 1 m        |
| 150-3316  | 1250                | MPR 4      | 1 m        |

**Accessories:** - Snap-on mounting for mounting on 35mm DIN-rail (Art.-no.: 55020)  
 - QuickFix for quick and easy fixing on primary conductor (Art.-no.: 3x 55021)  
 - Further connection cable lengths on request

**Accessories:** - Snap-on mounting for mounting on 35mm DIN-rail (Art.-no.: 55012)  
 - QuickFix for quick and easy fixing on primary conductor (Art.-no.: 3x 55021)  
 - Further connection cable lengths on request

**Accessories:** - Snap-on mounting for mounting on 35mm DIN-rail (Art.-no.: 2x 55011)  
 - QuickFix for quick and easy fixing on primary conductor (Art.-no.: 3x 55021)  
 - Further connection cable lengths on request

## MBS AG

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## Multifunctional power measuring unit „MPR 3“ with innovative connection technology „Quick Connect“



### Features / benefits

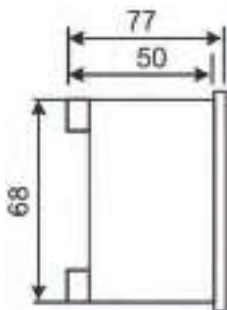
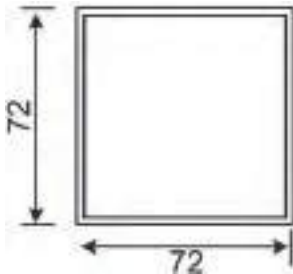
- Simpler wiring of the three single-phase current-transformer-set ASKDS via 330 mV voltage output for equivalent primary current from 60 A to 1250 A
- Alternatively the split-core current transformers type KBR 18/32/44 can be connected by means of a RJ45-adaptor
- Replaces a variety of analogue measuring devices, along with significantly less wiring expenses
- Storage of minimum and maximum values allows monitoring and error analysis
- Due to a digital in- and output as well as a pulse output a connection to a power management system is possible
- Additionally the device has a Modbus-RTU interface (RS485)

### Application

Energy is becoming more and more expensive and is thus a steadily growing cost factor.

In order to detect high-level power consumers, MBS AG has developed the multifunctional measuring unit MPR 3 (72x72 mm) and MPR 4 (96x96 mm) in combination with the three single-phase current-transformer-set ASKDS, which are especially designed for monitoring of 3- or 4-line networks in building technology.

All relevant network data can be measured and displayed.



### Measurements

The following measurements can be displayed with the multifunctional measuring unit MPR 3:

- The current values for voltage, current, frequency and power factor
- The active power, apparent power and reactive power for each phase and for the whole grid
- The minimum and maximum values for voltage, current, active power, reactive power and power factor for each phase and for the whole grid

Optionally the THD-I and THD-V can be displayed.

Additionally integrated into the device is a 4-quadrant energy meter for the active and reactive energy, two operating hours counters and a rotary field direction display.

One of the operating hours counter can be reset manually.

The device is operated by using four buttons and the menu on the display.

All the outputs given above are galvanically isolated from the measurement inputs and the auxiliary voltage.

### Order list

| Art.-no. | Pulse output | RS485 (Modbus-RTU) | Digital Input | Digital Output | Alarm | Event logs | Outage records | THD-I | THD-V |
|----------|--------------|--------------------|---------------|----------------|-------|------------|----------------|-------|-------|
| 99-72001 | •            | •                  | 1x            | 1x             | •     | •          | •              | •     | •     |

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## Technical parameters

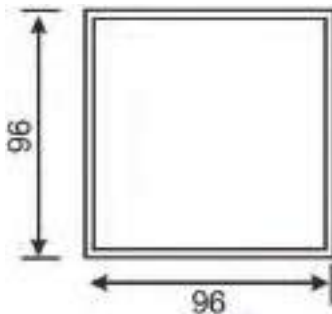
|                                                           |                                                                                                                                                                        |
|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input</b>                                              |                                                                                                                                                                        |
| Input voltage:                                            | 10 – 400 V AC L-N (10 – 690 V AC (L-L) (2,5 mm <sup>2</sup> ))                                                                                                         |
| Input current (U ~ I):                                    | 0 – 330 (500) mV via current-transformer-set ASKDS using CAT5 RJ45-cable (alternatively via split-core current transformer type KBR 18/32/44 by means of RJ45-adaptor) |
| Frequency:                                                | 45-65 Hz                                                                                                                                                               |
| Auxiliary supply:                                         | 185 – 300 V AC/DC ± 10 % (2,5 mm <sup>2</sup> )                                                                                                                        |
| Power consumption:                                        | < 5 VA                                                                                                                                                                 |
| <b>Housing according to DIN / IEC 61 554 (DIN 43 700)</b> |                                                                                                                                                                        |
| Dimensions (W x H x D) / Cut-out:                         | 72 x 72 x 50 mm / 68 <sup>+0.7 / -0.0</sup> x 68 <sup>+0.7 / -0.0</sup> mm                                                                                             |
| Weight:                                                   | Approx. 230 g                                                                                                                                                          |
| Mounting:                                                 | Snap-on mounting for instrument panel thickness ≤ 8 mm                                                                                                                 |
| Terminals:                                                | Voltage: Screw terminals<br>Current: 8-pin RJ45-connector                                                                                                              |
| Front panel:                                              | 4 control keys                                                                                                                                                         |
| Display:                                                  | FSTN LCD-Display with background illumination                                                                                                                          |
| Display dimensions (W x H):                               | 2.6"                                                                                                                                                                   |
| <b>Environment behaviour</b>                              |                                                                                                                                                                        |
| Operating temperature:                                    | - 10 °C ... + 55 °C                                                                                                                                                    |
| Storage temperature:                                      | - 20 °C ... + 70 °C                                                                                                                                                    |
| Relative humidity:                                        | Up to 90%, non-condensing                                                                                                                                              |
| Sea level:                                                | Up to 2000 m                                                                                                                                                           |
| Pollution degree:                                         | 2, according to EN 61010-1:2011                                                                                                                                        |
| <b>Operation conditions</b>                               |                                                                                                                                                                        |
| Electrical safety:                                        | According to EN 61010-1:2011; CAT III 300 V                                                                                                                            |
| Protection class according to EN 60529:                   | IP51 Front panel; IP20 Terminals                                                                                                                                       |
| Max. voltage to earth:                                    | ≤ 400 V                                                                                                                                                                |
| <b>EMC</b>                                                |                                                                                                                                                                        |
| Emission:                                                 | According to EN 55011 Class A; EN 55022 Class B                                                                                                                        |
| Susceptibility:                                           | According to EN 61000-4-2, EN 61000-4-3, EN 61000-4-4                                                                                                                  |
| <b>Measuring accuracy</b>                                 |                                                                                                                                                                        |
| Current, voltage,                                         | 0,5 %                                                                                                                                                                  |
| Active-, reactive-, apparent power, active energy         | 1,0 %                                                                                                                                                                  |
| Reactive energy                                           | 2,0 %                                                                                                                                                                  |
| cos φ                                                     | 0,2 %                                                                                                                                                                  |
| Frequency                                                 | 0,1 %                                                                                                                                                                  |
| <b>Output modules</b>                                     |                                                                                                                                                                        |
| Pulse output:                                             | Max. 1 pulse output possible                                                                                                                                           |
| Impulse time:                                             | 20, 40, 60, 80, 100, 150, 200, 300, 400, 500 ms                                                                                                                        |
| Switch current (pulse output):                            | Max. 50 mA                                                                                                                                                             |
| Extern voltage (pulse output):                            | 5 ... 48 V                                                                                                                                                             |
| RS485 Modbus-RTU                                          | Max. 1 Modbus module possible (max. ±12 V, 1.5 mm <sup>2</sup> )                                                                                                       |
| Baud rate (Modbus):                                       | 2400, 4800, 9600, 19200, 38400, 57600, 115200                                                                                                                          |
| Address / Parity (Modbus):                                | 1 – 247 / Even, Odd, None                                                                                                                                              |
| Max. communication range (Modbus):                        | 1200 m (by using repeater)                                                                                                                                             |
| Digital in- / output                                      | 1 Input + 1 Output (5 – 30 V DC, 1,5 mm <sup>2</sup> )                                                                                                                 |
| <b>Memory</b>                                             |                                                                                                                                                                        |
| Internal memory                                           | 1 MB                                                                                                                                                                   |
| <b>Password protection</b>                                |                                                                                                                                                                        |
| Setting protected by password:                            | Available                                                                                                                                                              |

## Multifunctional power measuring unit „MPR 4“ with innovative connection technology „Quick Connect“



### Features / benefits

- Simpler wiring of the three single-phase current-transformer-set ASKDS via 330 mV voltage output for equivalent primary current from 60 A to 1250 A
- Alternatively the split-core current transformers type KBR 18/32/44 can be connected using the screw terminals of the measuring device
- Replaces a variety of analogue measuring devices, along with significantly less wiring expenses
- Storage of minimum and maximum values allows monitoring and error analysis
- Due to an integrated Modbus-RTU interface (RS485) a connection to a power management system is possible
- Optionally the device can be equipped with an output module, which has the following outputs: 2x digital input; 2x digital output; 2x analogue output; 2x switching output



### Application

Energy is becoming more and more expensive and is thus a steadily growing cost factor.

In order to detect high-level power consumers, MBS AG has developed the multifunctional measuring unit MPR 3 (72x72 mm) and MPR 4 (96x96 mm) in combination with the three single-phase current-transformer-set ASKDS, which are especially designed for monitoring of 3- or 4-line networks in building technology.

All relevant network data can be measured and displayed.

### Measurements

The following measurements can be displayed with the multifunctional measuring unit MPR 4:

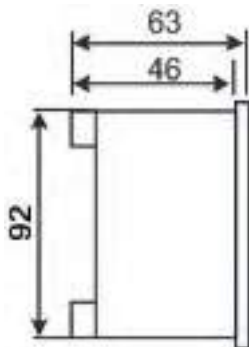
- The current values for voltage, current, frequency and power factor
  - The active power, apparent power and reactive power for each phase and for the whole grid
  - The minimum and maximum values for voltage, current, active power, reactive power and power factor for each phase and for the whole grid
- Optionally the THD-I and THD-V can be displayed.

Additionally integrated into the device is a 4-quadrant energy meter for the real and reactive energy, two operating hours counters and a rotary field direction display.

One of the operating hours counter can be reset manually.

The device is operated by using five buttons and the menu on the display.

All the outputs given above are galvanically isolated from the measurement inputs and the auxiliary voltage.



### Order list

| Art.-no. | RS485<br>(Modbus-RTU) | Available output modules                                          | Alarm | Event<br>logs | Outage<br>records | THD-I | THD-U |
|----------|-----------------------|-------------------------------------------------------------------|-------|---------------|-------------------|-------|-------|
| 99-96003 | •                     | Digital in- / output, Relay output, Analogue output, Pulse output | •     | •             | •                 | •     | •     |

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## Technical parameters

|                                                   |                                                                                                                                                                                                     |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Input</b>                                      |                                                                                                                                                                                                     |
| Input voltage:                                    | 5 – 277 V AC L-N (5 – 480 V AC L-L) (2.5 mm <sup>2</sup> )                                                                                                                                          |
| Input current (U ~ I):                            | 0 – 330 (500) mV via current-transformer-set ASKDS using CAT5 RJ45-cable<br>(alternatively via split-core current transformer type KBR 18/32/44 using the screw terminals for the measuring device) |
| Frequency:                                        | 50-60 Hz                                                                                                                                                                                            |
| Auxiliary supply:                                 | 50 – 270 V AC/DC ± 10 % (2.5 mm <sup>2</sup> )                                                                                                                                                      |
| Power consumption:                                | < 5 VA                                                                                                                                                                                              |
| <b>Housing</b>                                    |                                                                                                                                                                                                     |
| Dimensions (W x H x D) / Cut-out:                 | 96 x 96 x 46 mm / 92 <sup>+0.8 / -0.0</sup> x 92 <sup>+0.8 / -0.0</sup> mm                                                                                                                          |
| Weight:                                           | Approx. 340 g                                                                                                                                                                                       |
| Mounting:                                         | For instrument panel thickness ≤ 8 mm                                                                                                                                                               |
| Terminals:                                        | Voltage: Screw terminals<br>Current: 8-pin RJ45-connector + screw terminals                                                                                                                         |
| Front panel:                                      | 5 control keys                                                                                                                                                                                      |
| Display:                                          | FSTN LCD-Display with background illumination                                                                                                                                                       |
| Display dimensions (W x H):                       | 3.5"                                                                                                                                                                                                |
| <b>Environment behaviour</b>                      |                                                                                                                                                                                                     |
| Operating temperature:                            | - 5 °C ... + 55 °C                                                                                                                                                                                  |
| Storage temperature:                              | - 20 °C ... + 70 °C                                                                                                                                                                                 |
| Relative humidity:                                | Up to 90%, non-condensing                                                                                                                                                                           |
| Sea level:                                        | Up to 2000 m                                                                                                                                                                                        |
| Pollution degree:                                 | 2, according to EN 61010-1:2011                                                                                                                                                                     |
| <b>Operation conditions</b>                       |                                                                                                                                                                                                     |
| Electrical safety:                                | According to EN 61010-1:2011; CAT III 300 V                                                                                                                                                         |
| Protection class according to EN 60529:           | IP51 Front panel; IP20 Terminals                                                                                                                                                                    |
| Max. voltage to earth:                            | ≤ 277 V                                                                                                                                                                                             |
| <b>EMC</b>                                        |                                                                                                                                                                                                     |
| Emission:                                         | According to EN 55011 Class A; EN 55022 Class B                                                                                                                                                     |
| Susceptibility:                                   | According to EN 61000-4-2, EN 61000-4-3, EN 61000-4-4                                                                                                                                               |
| <b>Measuring accuracy</b>                         |                                                                                                                                                                                                     |
| Current, voltage                                  | 0,5 %                                                                                                                                                                                               |
| Active-, reactive-, apparent power, active energy | 1,0 %                                                                                                                                                                                               |
| Reactive energy                                   | 2,0 %                                                                                                                                                                                               |
| cos φ                                             | 0,2 %                                                                                                                                                                                               |
| Frequency                                         | 0,1 %                                                                                                                                                                                               |
| <b>Modbus-RTU (RS485) interface</b>               |                                                                                                                                                                                                     |
| Baud rate (Modbus):                               | 2400, 4800, 9600, 19200, 38400, 57600, 115200                                                                                                                                                       |
| Address / Parity (Modbus):                        | 1 – 247 / Even, Odd, None                                                                                                                                                                           |
| Max. communication range (Modbus):                | 1200 m (by using repeater)                                                                                                                                                                          |
| <b>Optional output module</b>                     |                                                                                                                                                                                                     |
| Available outputs:                                | 2x DO / 2x DI / 2x analogue output / 2x switching output                                                                                                                                            |
| <b>Memory</b>                                     |                                                                                                                                                                                                     |
| Internal memory                                   | 16 MB                                                                                                                                                                                               |
| <b>Password protection</b>                        |                                                                                                                                                                                                     |
| Setting protected by password:                    | Available                                                                                                                                                                                           |

## **Low-voltage current transformers for tariff applications**

### **Tube current transformer**

**EASR 14.3**

Round conductor: 14 mm    Current range: 75 ... 150 A  
Transformer width: 45 mm

Page: 187

**EASR 22.3**

Round conductor: 22,5 mm    Current range: 100 ... 600 A  
Transformer width: 61 mm

Page: 188

### **Plug-in current transformer for fuse switch disconnectors**

**EASKL 19.34**

**InLine II, size 00**

Round conductor: 16,4 mm    Current range: 80 ... 160 A  
Transformer width: 45 mm

Page: 189

**EASKL 31.34**

**InLine II, size 123**

Round conductor: 18,6 mm    Current range: 200 ... 600 A  
Transformer width: 60 mm

Page: 190

**EAS 176.3**

**SlimLine, size XR1**

Round conductor: 15,2 mm    Current range: 100 ... 250 A  
Transformer width: 45 mm

Page: 191

Type „E“ denotes that the current transformers are suitable for tariff applications

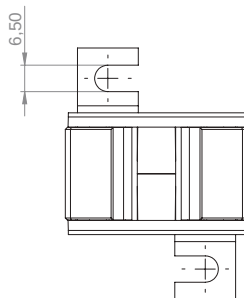
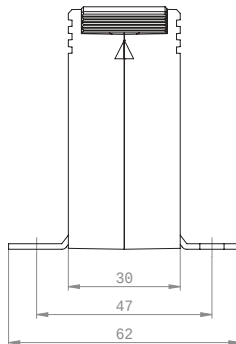
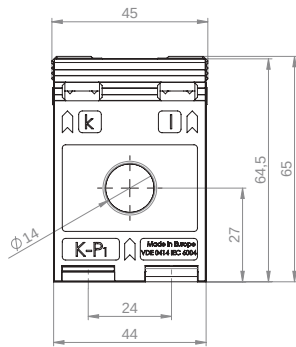
## EASR 14.3

Tube current transformer – Tariff applications

**Current transformer designed for integrated installation into fuse switch disconnectors, type SlimeLine of size XR00.**



Round conductor 14 mm  
Transformer width 45 mm  
Height 65 mm  
Depth 30 mm



|                     |             | Secondary current [A] / Class |                       |                      |                      |                      |
|---------------------|-------------|-------------------------------|-----------------------|----------------------|----------------------|----------------------|
| Primary current [A] | Burden [VA] | 5 A Cl. 0,5 Art.-no.          | 5 A Cl. 0,5s Art.-no. | 5 A Cl. 0,2 Art.-no. | 1 A Cl. 0,5 Art.-no. | 1 A Cl. 0,2 Art.-no. |
| 75                  | 1,5         | 26584                         | 26590                 |                      | 26770                |                      |
| 80                  | 1,5         | 26585                         | 26591                 |                      | 26771                |                      |
| 100                 | 1,5         | 26586                         | 26592                 | 26568                | 26786                | 26777                |
| 120                 | 1,5         | 26587                         | 26593                 | 26563                | 26772                | 26778                |
|                     | 2,5         | 26588                         | 26594                 |                      | 26773                |                      |
| 125                 | 1,5         | 26599                         | 26595                 | 26564                | 26774                | 26779                |
|                     | 2,5         | 26560                         | 26597                 |                      | 26775                |                      |
| 150                 | 1,5         | 26561                         | 26598                 | 26566                | 26776                | 26780                |
|                     | 2,5         | 26589                         | 26596                 | 26567                | 26789                | 26781                |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type E</b> | <b>55013</b> |
|  | <b>Sealed shutter</b>           | –            |

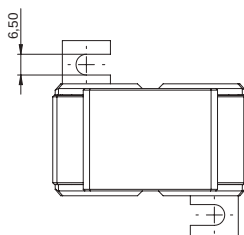
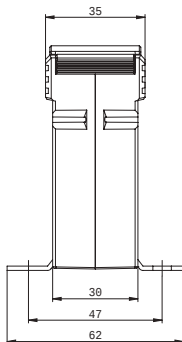
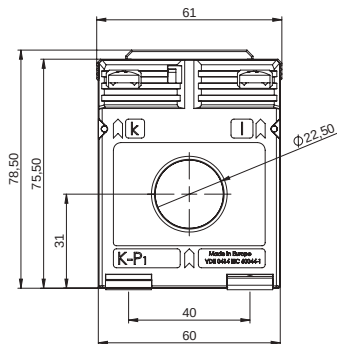


## EASR 22.3

### Tube current transformer – Tariff applications



Round conductor 22,5 mm  
Transformer width 61 mm  
Height 78,5 mm  
Depth 35 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 100                 | 1,5         | 3530                          | 3552                        | 3511                       | 3730                       | 3711                       |
|                     | 2,5         | 3531                          | 3553                        |                            | 3731                       |                            |
| 150                 | 1,5         | 3532                          | 3554                        | 3512                       | 3732                       | 3712                       |
|                     | 2,5         | 3533                          | 3555                        | 3513                       | 3733                       | 3713                       |
|                     | 5           | 3534                          | 3556                        |                            | 3734                       |                            |
| 200                 | 1,5         | 3535                          | 3557                        | 3514                       | 3735                       | 3714                       |
|                     | 2,5         | 3536                          | 3558                        | 3515                       | 3736                       | 3715                       |
|                     | 5           | 3537                          | 3559                        | 3516                       | 3737                       | 3716                       |
| 250                 | 2,5         | 3538                          | 3560                        | 3517                       | 3738                       | 3717                       |
|                     | 5           | 3539                          | 3561                        | 3518                       | 3739                       | 3718                       |
| 300                 | 2,5         | 3540                          | 3562                        | 3519                       | 3740                       | 3719                       |
|                     | 5           | 3541                          | 3563                        | 3520                       | 3741                       | 3720                       |
|                     | 10          | 3542                          | 3564                        |                            |                            |                            |
| 400                 | 2,5         | 3543                          | 3565                        | 3521                       | 3743                       | 3721                       |
|                     | 5           | 3544                          | 3566                        | 3522                       | 3744                       | 3722                       |
|                     | 10          | 3545                          | 3567                        | 3523                       | 3745                       | 3723                       |
| 500                 | 2,5         | 3546                          | 3568                        | 3524                       | 3746                       | 3724                       |
|                     | 5           | 3547                          | 3569                        | 3525                       | 3747                       | 3725                       |
|                     | 10          | 3548                          | 3570                        | 3526                       | 3748                       | 3726                       |
| 600                 | 2,5         | 3549                          | 3571                        | 3527                       | 3749                       | 3727                       |
|                     | 5           | 3550                          | 3572                        | 3528                       | 3750                       | 3728                       |
|                     | 10          | 3551                          | 3573                        | 3529                       | 3751                       | 3729                       |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |



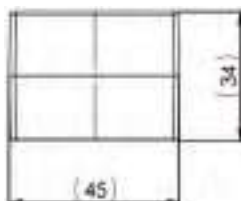
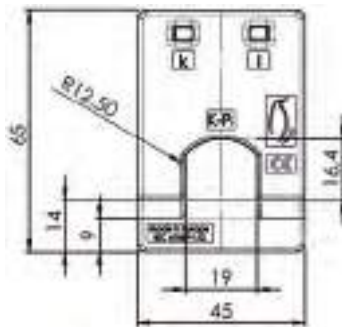
## EASKL 19.34

Plug-in current transformer - Tariff applications

**Current transformer designed for integrated installation into fuse switch disconnectors, type InLine II of size 00.**



|                   |            |
|-------------------|------------|
| Bus bar 1         | 19 x 12 mm |
| Round conductor   | 16,4 mm    |
| Transformer width | 45 mm      |
| Height            | 65 mm      |
| Depth             | 34 mm      |



|                     |             | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5s<br>Art.-no. |
| 80                  | 1           | 34-5001                       |                             | 34-7001                    |                             |
| 100                 | 1           | 34-5002                       | 34-5008                     | 34-7002                    | 34-7008                     |
| 120                 | 1,5         | 34-5003                       | 34-5009                     | 34-7003                    | 34-7009                     |
| 125                 | 1,5         | 34-5004                       | 34-5010                     | 34-7004                    | 34-7010                     |
| 150                 | 1,5         | 34-5005                       | 34-5011                     | 34-7005                    | 34-7011                     |
| 160                 | 1,5         | 34-5006                       | 34-5012                     | 34-7006                    | 34-7012                     |
|                     | 2,5         | 34-5007                       |                             | 34-7007                    |                             |

|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

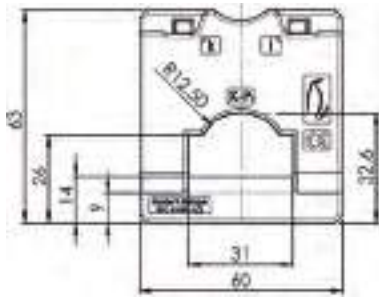
## EASKL 31.34

Plug-in current transformer - Tariff applications

**Current transformer designed for integrated installation into fuse switch disconnectors, type InLine II of size 123.**



|                   |            |
|-------------------|------------|
| Bus bar 1         | 31 x 12 mm |
| Round conductor   | 18,6 mm    |
| Transformer width | 60 mm      |
| Height            | 63 mm      |
| Depth             | 34 mm      |



|                     |             | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5s<br>Art.-no. |
| 200                 | 1,5         | 34-5101                       | 34-5107                     | 34-7101                    | 34-7107                     |
| 250                 | 2,5         | 34-5102                       | 34-5108                     | 34-7102                    | 34-7108                     |
| 300                 | 2,5         | 34-5103                       | 34-5109                     | 34-7103                    | 34-7109                     |
| 400                 | 5           | 34-5104                       | 34-5110                     | 34-7104                    | 34-7110                     |
| 500                 | 5           | 34-5105                       | 34-5111                     | 34-7105                    | 34-7111                     |
| 600                 | 5           | 34-5106                       | 34-5112                     | 34-7106                    | 34-7112                     |

|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

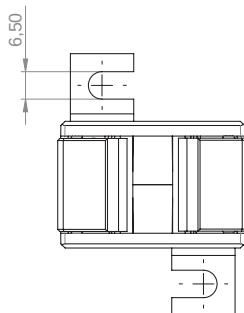
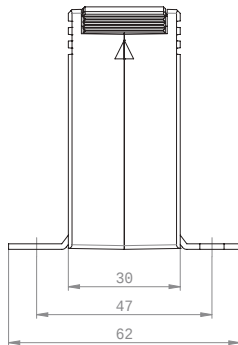
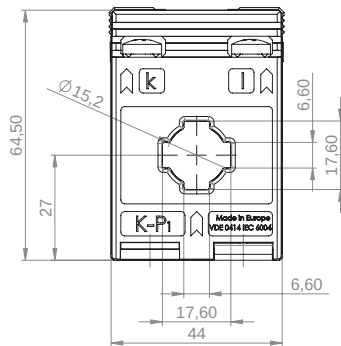
# EAS 176.3

Plug-in current transformer – Tariff applications

Current transformer designed for integrated installation into fuse switch disconnectors, type SlimeLine of size XR1.



Bus bar 1                17 x 6 mm  
Round conductor       15,2 mm  
Transformer width     44 mm  
Height                  65 mm  
Depth                    30 mm



|                     |             | Secondary current [A] / Class |                            |
|---------------------|-------------|-------------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5<br>Art.-no.    | 1 A<br>Cl. 0,5<br>Art.-no. |
| 100                 | 1,5         | 1030505004                    | 1030705004                 |
| 150                 | 1,5         | 1030505001                    | 1030705001                 |
|                     | 2,5         | 1030505005                    | 1030705005                 |
| 200                 | 2,5         | 1030505002                    | 1030705002                 |
| 250                 | 2,5         | 1030505003                    | 1030705003                 |

|                                                                                   |                          | Art.-no. |
|-----------------------------------------------------------------------------------|--------------------------|----------|
|  | Snap-on mounting, type E | 55013    |
|  | Sealed shutter           | –        |

## **Low-voltage current transformers for tariff applications**

### **Plug-in current transformer**

|                                         |                                                                                                         |                              |           |
|-----------------------------------------|---------------------------------------------------------------------------------------------------------|------------------------------|-----------|
| <b>EASK 176.3</b>                       | Bus bar 1: 17 x 6 mm<br>Round conductor: 15,2 mm<br>Transformer width: 45 mm                            | Current range: 100 ... 250 A | Page: 195 |
| <b>EASK 21.3</b>                        | Bus bar 1: 20 x 10 mm<br>Round conductor: 19,2 mm<br>Transformer width: 61 mm                           | Current range: 100 ... 500 A | Page: 196 |
| <b>EASK 31.3</b>                        | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 2x 20 x 10 mm<br>Round conductor: 26 mm<br>Transformer width: 61 mm | Current range: 100 ... 750 A | Page: 197 |
| <b>EASK 31.4</b>                        | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 2x 20 x 10 mm<br>Round conductor: 28 mm<br>Transformer width: 61 mm | Current range: 100 ... 750 A | Page: 198 |
| <b>EASK 31.5</b><br><b>EASK 31.5 2U</b> | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 2x 20 x 10 mm<br>Round conductor: 28 mm<br>Transformer width: 61 mm | Current range: 75 ... 750 A  | Page: 199 |
| <b>EASK 31.6</b>                        | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 20 x 13 mm<br>Round conductor: 23 mm<br>Transformer width: 95 mm    | Current range: 50 ... 750 A  | Page: 202 |
| <b>EASK 41.4</b><br><b>EASK 41.4 2U</b> | Bus bar 1: 40 x 10 mm<br>Bus bar 2: 2x 30 x 5 mm<br>Round conductor: 32 mm<br>Transformer width: 71 mm  | Current range: 100 ... 750 A | Page: 203 |
| <b>EASK 541.4</b>                       | Bus bar 1: 40 x 10 mm<br>Bus bar 2: 2x 30 x 5 mm<br>Round conductor: 32 mm<br>Transformer width: 86 mm  | Current range: 75 ... 1000 A | Page: 205 |

|                                         |                                                                                                             |                               |           |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------|-----------|
| <b>EASK 41.5</b>                        | Bus bar 1: 40 x 10 mm<br>Bus bar 2: 2x 30 x 5 mm<br>Round conductor: 32 mm<br>Transformer width: 71 mm      | Current range: 75 ... 1000 A  | Page: 206 |
| <b>EASK 41.6</b>                        | Bus bar 1: 40 x 12 mm<br>Bus bar 2: 30 x 15 mm<br>Round conductor: 32 mm<br>Transformer width: 95 mm        | Current range: 75 ... 1000 A  | Page: 207 |
| <b>EASK 51.4</b><br><b>EASK 51.4 2U</b> | Bus bar 1: 50 x 10 mm<br>Bus bar 2: 2x 40 x 10 mm<br>Round conductor: 44 mm<br>Transformer width: 86 mm     | Current range: 100 ... 1000 A | Page: 208 |
| <b>EASK 51.6</b>                        | Bus bar 1: 50 x 12 mm<br>Bus bar 2: 2x 40 x 10 mm<br>Round conductor: 40 mm<br>Transformer width: 95 mm     | Current range: 100 ... 1250 A | Page: 210 |
| <b>EASK 61.4</b>                        | Bus bar 1: 60 x 10 mm<br>Bus bar 2: 2x 50 x 10 mm<br>Round conductor: 44 mm<br>Transformer width: 96 mm     | Current range: 200 ... 1500 A | Page: 211 |
| <b>EASK 61.6</b>                        | Bus bar 1: 60 x 10 mm<br>Bus bar 2: 2x 50 x 10 mm<br>Round conductor: 40 mm<br>Transformer width: 95 mm     | Current range: 100 ... 1500 A | Page: 212 |
| <b>EASK 63.6</b>                        | Bus bar 1: 60 x 30 mm<br>Round conductor: 30 mm<br>Transformer width: 88 mm                                 | Current range: 250 ... 1500 A | Page: 213 |
| <b>EASK 81.4</b>                        | Bus bar 1: 80 x 10 mm<br>Bus bar 2: 2x 60 x 10 mm<br>Round conductor: 55 mm<br>Transformer width: 120 mm    | Current range: 400 ... 1500 A | Page: 214 |
| <b>EASK 105.6</b>                       | Bus bar 1: 100 x 55 mm<br>Round conductor: 55 mm<br>Transformer width: 129 mm                               | Current range: 600 ... 3000 A | Page: 215 |
| <b>EASK 123.3</b>                       | Bus bar 1: 123 x 30 mm<br>Bus bar 2: 3x 100 x 10 mm<br>Round conductor: 100 mm<br>Transformer width: 172 mm | Current range: 750 ... 3000 A | Page: 216 |

**EASK 130.3**

Bus bar 1: 130 x 25 mm      Current range: 300 ... 1600 A      Page: 218  
Round conductor: 25 mm  
Transformer width: 180 mm

---

**EASK 130.5**

Bus bar 1: 130 x 30 mm      Current range: 300 ... 3000 A      Page: 219  
Round conductor: 30 mm  
Transformer width: 180 mm

---

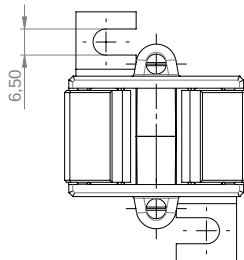
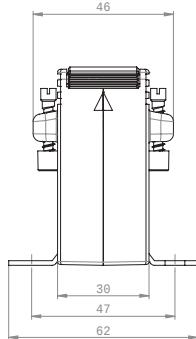
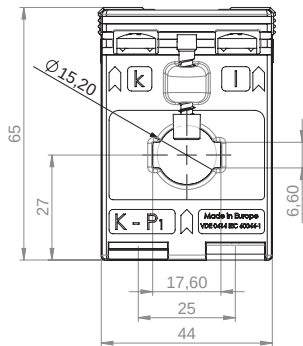
Type „E“ denotes that the current transformers are suitable for tariff applications

# EASK 176.3

Plug-in current transformer – Tariff applications



Bus bar 1            17 x 6 mm  
 Round conductor    15,2 mm  
 Transformer width   44 mm  
 Height                65 mm  
 Depth                 46 mm



|                     |             | Secondary current [A] / Class |                            |
|---------------------|-------------|-------------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5<br>Art.-no.    | 1 A<br>Cl. 0,5<br>Art.-no. |
| 100                 | 1,5         | 1020505004                    | 1020705004                 |
| 150                 | 1,5         | 1020505001                    | 1020705001                 |
|                     | 2,5         | 1020505005                    | 1020705005                 |
| 200                 | 2,5         | 1020505002                    | 1020705002                 |
| 250                 | 2,5         | 1020505003                    | 1020705003                 |

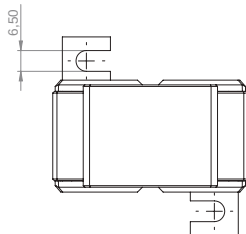
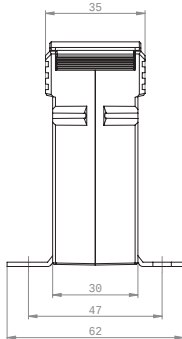
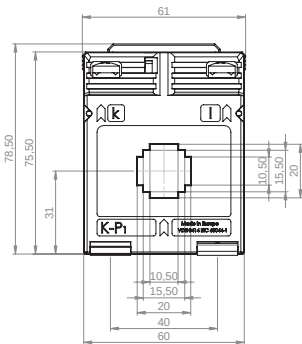
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type E</b> | <b>55013</b> |
|  | <b>Sealed shutter</b>           | –            |

## EASK 21.3

Plug-in current transformer – Tariff applications



Bus bar 1                    20 x 10 mm  
 Round conductor            19,2 mm  
 Transformer width         61 mm  
 Height                        78,5 mm  
 Depth                         48 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 100                 | 1,5         | 6530                          | 6549                        | 6511                       | 6730                       | 6711                       |
|                     | 2,5         | 6531                          | 6550                        |                            | 6731                       |                            |
| 150                 | 1,5         | 6532                          | 6551                        | 6513                       | 6732                       | 6713                       |
|                     | 2,5         | 6533                          | 6552                        | 6514                       | 6733                       | 6714                       |
|                     | 5           | 6534                          | 6553                        |                            | 6734                       |                            |
| 200                 | 1,5         | 6535                          | 6554                        | 6516                       | 6735                       | 6716                       |
|                     | 2,5         | 6536                          | 6555                        | 6517                       | 6736                       | 6717                       |
|                     | 5           | 6537                          | 6556                        | 6518                       | 6737                       | 6718                       |
| 250                 | 2,5         | 6538                          | 6557                        | 6519                       | 6738                       | 6719                       |
|                     | 5           | 6539                          | 6558                        | 6520                       | 6739                       | 6720                       |
| 300                 | 2,5         | 6540                          | 6559                        | 6521                       | 6740                       | 6721                       |
|                     | 5           | 6541                          | 6560                        | 6522                       | 6741                       | 6722                       |
|                     | 10          | 6542                          | 6561                        |                            |                            |                            |
| 400                 | 2,5         | 6543                          | 6562                        | 6524                       | 6743                       | 6724                       |
|                     | 5           | 6544                          | 6563                        | 6525                       | 6744                       | 6725                       |
|                     | 10          | 6545                          | 6564                        | 6526                       | 6745                       | 6726                       |
| 500                 | 2,5         | 6546                          | 6565                        | 6527                       | 6746                       | 6727                       |
|                     | 5           | 6547                          | 6566                        | 6528                       | 6747                       | 6728                       |
|                     | 10          | 6548                          | 6567                        | 6529                       | 6748                       | 6729                       |

|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type A</b> | <b>53011</b> |
|  | <b>Sealed shutter, type A</b>   | <b>59040</b> |

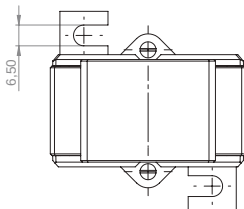
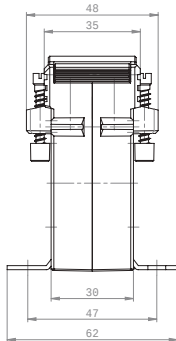
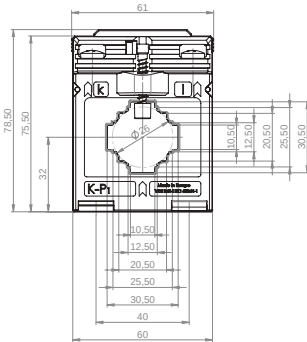


## EASK 31.3

### Plug-in current transformer – Tariff applications



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 26 mm          |
| Transformer width | 61 mm          |
| Height            | 78,5 mm        |
| Depth             | 48 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 100                 | 1,5         | 7533                          | 7555                        |                            | 7733                       | 7711                       |
|                     | 2,5         | 7534                          | 7556                        |                            | 7734                       |                            |
| 150                 | 1,5         | 7535                          | 7557                        | 7513                       | 7735                       | 7713                       |
|                     | 2,5         | 7536                          | 7558                        |                            | 7736                       |                            |
| 200                 | 2,5         | 7537                          | 7559                        | 7515                       | 7737                       | 7715                       |
|                     | 5           | 7538                          | 7560                        | 7516                       | 7738                       | 7716                       |
| 250                 | 2,5         | 7539                          | 7561                        | 7517                       | 7739                       | 7717                       |
|                     | 5           | 7540                          | 7562                        | 7518                       | 7740                       | 7718                       |
| 300                 | 2,5         | 7541                          | 7563                        | 7519                       | 7741                       | 7719                       |
|                     | 5           | 7542                          | 7564                        | 7520                       | 7742                       | 7720                       |
| 400                 | 2,5         | 7543                          | 7565                        | 7521                       | 7743                       | 7721                       |
|                     | 5           | 7544                          | 7566                        | 7522                       | 7744                       | 7722                       |
| 500                 | 2,5         | 7546                          | 7568                        | 7524                       | 7746                       | 7724                       |
|                     | 5           | 7547                          | 7569                        | 7525                       | 7747                       | 7725                       |
| 600                 | 2,5         | 7549                          | 7571                        | 7527                       | 7749                       | 7727                       |
|                     | 5           | 7550                          | 7572                        | 7528                       | 7750                       | 7728                       |
| 750                 | 2,5         | 7552                          | 7574                        | 7530                       | 7752                       | 7730                       |
|                     | 5           | 7553                          | 7575                        | 7531                       | 7753                       | 7731                       |

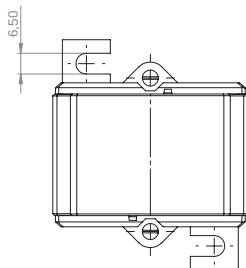
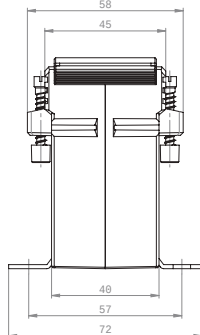
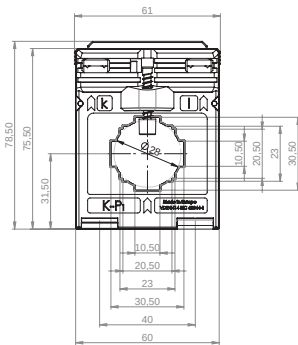
|  |                          | Art.-no. |
|--|--------------------------|----------|
|  | Snap-on mounting, type A | 53011    |
|  | Sealed shutter, type A   | 59040    |

## EASK 31.4

Plug-in current transformer – Tariff applications



Bus bar 1            30 x 10 mm  
 Bus bar 2            2 x 20 x 10 mm  
 Round conductor    28 mm  
 Transformer width   61 mm  
 Height                78,5 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 100                 | 1,5         |                               |                             | 8510                       |                            |                            |
|                     | 2,5         | 8535                          | 8559                        | 8511                       | 8735                       | 8711                       |
| 150                 | 2,5         | 8536                          | 8560                        | 8512                       | 8736                       | 8712                       |
|                     | 5           | 8537                          | 8561                        |                            | 8737                       |                            |
| 200                 | 2,5         | 8538                          | 8562                        | 8514                       | 8738                       | 8714                       |
|                     | 5           | 8539                          | 8563                        | 8515                       | 8739                       | 8715                       |
| 250                 | 2,5         | 8540                          | 8564                        | 8516                       | 8740                       | 8716                       |
|                     | 5           | 8541                          | 8565                        | 8517                       | 8741                       | 8717                       |
| 300                 | 2,5         | 8542                          | 8566                        | 8518                       | 8742                       | 8718                       |
|                     | 5           | 8543                          | 8567                        | 8519                       | 8743                       | 8719                       |
|                     | 10          | 8544                          | 8568                        | 8520                       | 8744                       | 8720                       |
| 400                 | 2,5         | 8545                          | 8569                        | 8521                       | 8745                       | 8721                       |
|                     | 5           | 8546                          | 8570                        | 8522                       | 8746                       | 8722                       |
|                     | 10          | 8547                          | 8571                        | 8523                       | 8747                       | 8723                       |
| 500                 | 2,5         | 8548                          | 8572                        | 8524                       | 8748                       | 8724                       |
|                     | 5           | 8549                          | 8573                        | 8525                       | 8749                       | 8725                       |
|                     | 10          | 8550                          | 8574                        | 8526                       | 8750                       | 8726                       |
| 600                 | 2,5         | 8551                          | 8575                        | 8527                       | 8751                       | 8727                       |
|                     | 5           | 8552                          | 8576                        | 8528                       | 8752                       | 8728                       |
|                     | 10          | 8553                          | 8577                        | 8529                       | 8753                       | 8729                       |
| 750                 | 15          | 8554                          | 8578                        |                            | 8754                       |                            |
|                     | 2,5         | 8555                          | 8579                        | 8531                       | 8755                       | 8731                       |
|                     | 5           | 8556                          | 8580                        | 8532                       | 8756                       | 8732                       |
|                     | 10          | 8557                          | 8581                        | 8533                       | 8757                       | 8733                       |
|                     | 15          | 8558                          | 8582                        |                            | 8758                       |                            |

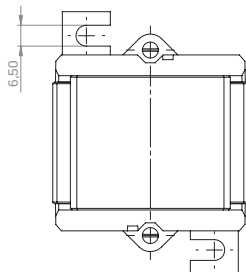
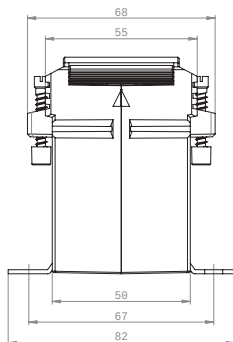
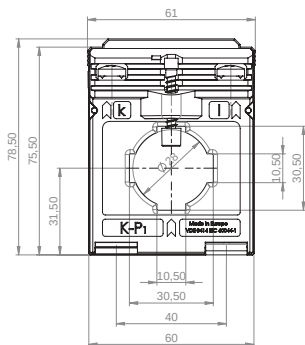
|                                                                                     |                                 | Art.-no.     |
|-------------------------------------------------------------------------------------|---------------------------------|--------------|
|  | <b>Snap-on mounting, type B</b> | <b>54011</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## EASK 31.5

Plug-in current transformer – Tariff applications



Bus bar 1            30 x 10 mm  
 Bus bar 2            2 x 20 x 10 mm  
 Round conductor    28 mm  
 Transformer width   61 mm  
 Height                78,5 mm  
 Depth                 68 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. |
| 75                  | 2,5         | 9542                          | 9574                        |                            |                             |
| 100                 | 2,5         | 9543                          | 9575                        | 9511                       |                             |
|                     | 5           | 9544                          |                             |                            |                             |
| 150                 | 2,5         | 9545                          | 9577                        | 9513                       |                             |
|                     | 5           | 9546                          | 9578                        |                            |                             |
| 200                 | 2,5         | 9547                          | 9579                        | 9515                       | V17-1704D                   |
|                     | 5           | 9548                          | 9580                        | 9516                       | V17-1704F                   |
|                     | 10          | 9549                          | 9581                        |                            |                             |
| 250                 | 2,5         | 9550                          | 9582                        | 9518                       | V17-1804D                   |
|                     | 5           | 9551                          | 9583                        | 9519                       | V17-1804F                   |
|                     | 10          | 9552                          | 9584                        | 9520                       |                             |
|                     | 15          | 9553                          | 9585                        |                            |                             |
| 300                 | 2,5         | 9554                          | 9586                        | 9522                       | V17-1904D                   |
|                     | 5           | 9555                          | 9587                        | 9523                       | V17-1904F                   |
|                     | 10          | 9556                          | 9588                        | 9524                       |                             |
|                     | 15          | 9557                          | 9589                        |                            |                             |
| 400                 | 2,5         | 9558                          | 9590                        | 9526                       | V17-2004D                   |
|                     | 5           | 9559                          | 9591                        | 9527                       | V17-2004F                   |
|                     | 10          | 9560                          | 9592                        | 9528                       | V17-2004H                   |
|                     | 15          | 9561                          | 9593                        |                            |                             |
| 500                 | 2,5         | 9562                          | 9594                        | 9530                       | V17-2104D                   |
|                     | 5           | 9563                          | 9595                        | 9531                       | V17-2104F                   |
|                     | 10          | 9564                          | 9596                        | 9532                       | V17-2104H                   |
|                     | 15          | 9565                          | 9597                        |                            |                             |
| 600                 | 2,5         | 9566                          | 9598                        | 9534                       | V17-2204D                   |
|                     | 5           | 9567                          | 9599                        | 9535                       | V17-2204F                   |
|                     | 10          | 9568                          | 9600                        | 9536                       | V17-2204H                   |
|                     | 15          | 9569                          | 9601                        |                            |                             |
| 750                 | 5           | 9571                          | 9603                        | 9539                       | V17-2304F                   |
|                     | 10          | 9572                          | 9604                        | 9540                       | V17-2304H                   |
|                     | 15          | 9573                          | 9605                        |                            |                             |

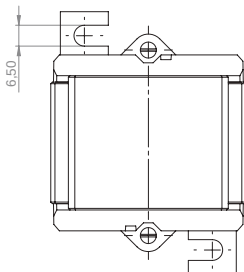
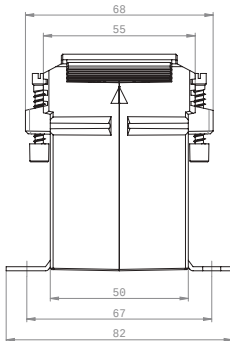
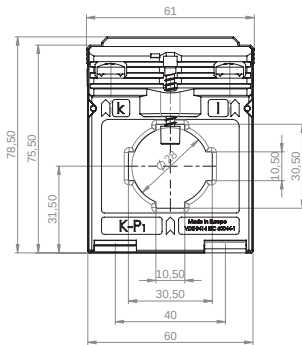
|                                                                                     |                          | Art.-no. |
|-------------------------------------------------------------------------------------|--------------------------|----------|
|  | Snap-on mounting, type C | 55011    |
|  | Sealed shutter, type B   | 59041    |

## EASK 31.5

Plug-in current transformer – Tariff applications



Bus bar 1            30 x 10 mm  
 Bus bar 2            2 x 20 x 10 mm  
 Round conductor    28 mm  
 Transformer width   61 mm  
 Height                78,5 mm  
 Depth                 68 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |
|---------------------|-------------|-------------------------------|----------------------------|
|                     |             | 1 A<br>Cl. 0,5<br>Art.-no.    | 1 A<br>Cl. 0,2<br>Art.-no. |
| 75                  | 2,5         | 9742                          |                            |
|                     | 5           | 9743                          | 9711                       |
| 100                 | 2,5         | 9744                          |                            |
|                     | 5           | 9745                          | 9713                       |
| 150                 | 2,5         | 9746                          |                            |
|                     | 5           | 9747                          | 9715                       |
| 200                 | 2,5         | 9748                          | 9716                       |
|                     | 5           | 9749                          |                            |
| 250                 | 2,5         | 9750                          | 9718                       |
|                     | 5           | 9751                          | 9719                       |
| 300                 | 10          | 9752                          | 9720                       |
|                     | 15          | 9753                          |                            |
| 400                 | 2,5         | 9754                          | 9722                       |
|                     | 5           | 9755                          | 9723                       |
| 500                 | 10          | 9756                          | 9724                       |
|                     | 15          | 9757                          |                            |
| 600                 | 2,5         | 9758                          | 9726                       |
|                     | 5           | 9759                          | 9727                       |
| 750                 | 10          | 9760                          | 9728                       |
|                     | 15          | 9761                          |                            |
| 1000                | 2,5         | 9762                          | 9730                       |
|                     | 5           | 9763                          | 9731                       |
| 1500                | 10          | 9764                          | 9732                       |
|                     | 15          | 9765                          |                            |
| 2000                | 2,5         | 9766                          | 9734                       |
|                     | 5           | 9767                          | 9735                       |
| 3000                | 10          | 9768                          | 9736                       |
|                     | 15          | 9769                          |                            |
| 4000                | 5           | 9771                          | 9739                       |
|                     | 10          | 9772                          | 9740                       |
| 5000                | 15          | 9773                          |                            |

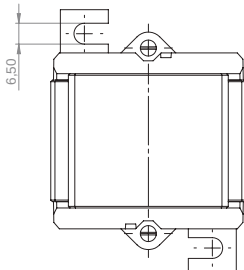
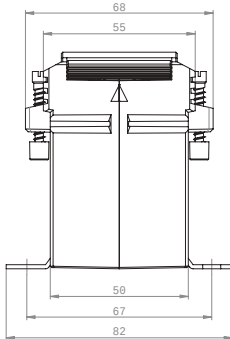
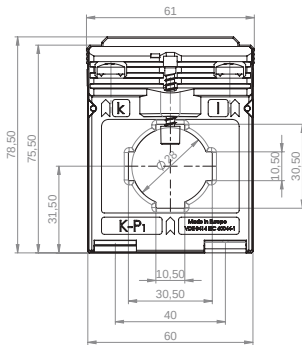
|  |                          | Art.-no. |
|--|--------------------------|----------|
|  | Snap-on mounting, type C | 55011    |
|  | Sealed shutter, type B   | 59041    |

## EASK 31.5 2U

Plug-in current transformer, secondary reconnectable –  
Tariff applications



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 30 x 10 mm     |
| Bus bar 2         | 2 x 20 x 10 mm |
| Round conductor   | 28 mm          |
| Transformer width | 61 mm          |
| Height            | 78,5 mm        |
| Depth             | 68 mm          |



|                     |             | Secondary current [A] / Class |                            |
|---------------------|-------------|-------------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5s<br>Art.-no.   | 5 A<br>Cl. 0,5<br>Art.-no. |
| 200-100             | 5-2,5       | 9616                          | 9606                       |
| 300-150             | 5-2,5       | 9618                          | 9608                       |
|                     | 10-5        | 9619                          | 9609                       |
| 400-200             | 5-2,5       | 9620                          | 9610                       |
|                     | 10-5        | 9621                          | 9611                       |
| 500-250             | 5-2,5       | 9622                          | 9612                       |
|                     | 10-5        | 9623                          | 9613                       |
| 600-300             | 5-2,5       | 9624                          | 9614                       |
|                     | 10-5        | 9625                          | 9615                       |
| 200-100             | 10-5        |                               | 9607                       |

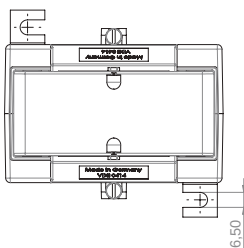
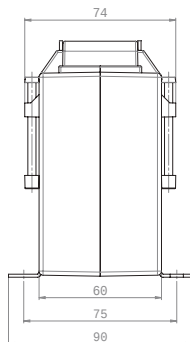
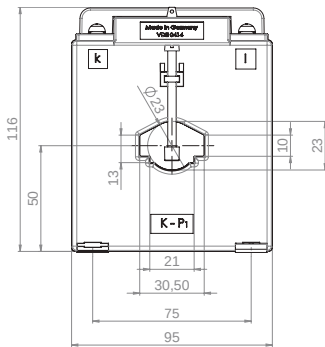
|                                                                                   |                                 | Art.-no.     |
|-----------------------------------------------------------------------------------|---------------------------------|--------------|
|  | <b>Snap-on mounting, type C</b> | <b>55011</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## EASK 31.6

Plug-in current transformer – Tariff applications



Bus bar 1            30 x 10 mm  
 Bus bar 2            20 x 13 mm  
 Round conductor    23 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 50                  | 2,5         | 10547                         | 10585                       |                            | 10747                      |                            |
| 75                  | 2,5         | 10548                         | 10586                       |                            | 10748                      |                            |
|                     | 5           | 10549                         |                             |                            | 10749                      |                            |
| 100                 | 2,5         | 10550                         | 10588                       | 10513                      | 10750                      | 10713                      |
|                     | 5           | 10551                         | 10589                       |                            | 10751                      |                            |
|                     | 10          | 10552                         | 10590                       |                            | 10752                      |                            |
| 150                 | 2,5         | 10553                         | 10591                       | 10516                      | 10753                      | 10716                      |
|                     | 5           | 10554                         | 10592                       | 10517                      | 10754                      | 10717                      |
|                     | 10          | 10555                         | 10593                       |                            | 10755                      |                            |
|                     | 15          | 10556                         | 10594                       |                            | 10756                      |                            |
| 200                 | 5           | 10557                         | 10595                       | 10521                      | 10757                      | 10721                      |
|                     | 10          | 10558                         | 10596                       | 10522                      | 10758                      | 10722                      |
|                     | 15          | 10559                         | 10597                       |                            | 10759                      |                            |
| 250                 | 5           | 10560                         | 10598                       | 10524                      | 10760                      | 10724                      |
|                     | 10          | 10561                         | 10599                       | 10525                      | 10761                      | 10725                      |
|                     | 15          | 10563                         | 10600                       |                            | 10763                      |                            |
| 300                 | 5           | 10565                         | 10602                       | 10528                      | 10765                      | 10728                      |
|                     | 10          | 10566                         | 10603                       | 10529                      | 10766                      | 10729                      |
|                     | 15          | 10567                         | 10604                       |                            | 10767                      |                            |
|                     | 30          | 10568                         | 10605                       |                            | 10768                      |                            |
| 400                 | 5           | 10569                         | 10606                       | 10532                      | 10769                      | 10732                      |
|                     | 10          | 10570                         | 10607                       | 10533                      | 10770                      | 10733                      |
|                     | 15          | 10571                         | 10608                       | 10534                      | 10771                      | 10734                      |
|                     | 30          | 10572                         | 10609                       |                            | 10772                      |                            |
| 500                 | 5           | 10573                         | 10610                       | 10536                      | 10773                      | 10736                      |
|                     | 10          | 10574                         | 10611                       | 10537                      | 10774                      | 10737                      |
|                     | 15          | 10575                         | 10612                       | 10538                      | 10775                      | 10738                      |
|                     | 30          | 10576                         | 10613                       |                            | 10776                      |                            |
| 600                 | 5           | 10577                         | 10614                       | 10540                      | 10777                      | 10740                      |
|                     | 10          | 10578                         | 10615                       | 10541                      | 10778                      | 10741                      |
|                     | 15          | 10579                         | 10616                       | 10542                      | 10779                      | 10742                      |
|                     | 30          | 10580                         | 10617                       |                            | 10780                      |                            |
| 750                 | 5           | 10581                         | 10618                       | 10543                      | 10781                      | 10743                      |
|                     | 10          | 10582                         | 10619                       | 10544                      | 10782                      | 10744                      |
|                     | 15          | 10583                         | 10620                       | 10545                      | 10783                      | 10745                      |
|                     | 30          | 10584                         | 10621                       |                            | 10784                      |                            |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type E | 59044    |

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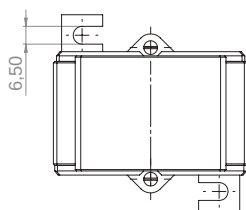
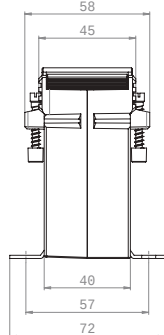
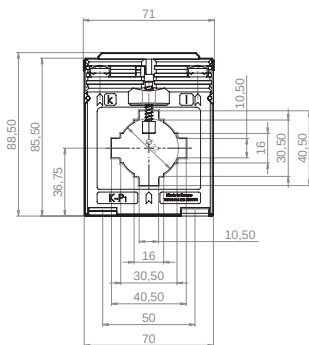
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 E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## EASK 41.4

### Plug-in current transformer – Tariff applications



Bus bar 1            40 x 10 mm  
 Bus bar 2            2 x 30 x 5 mm  
 Round conductor    32 mm  
 Transformer width   71 mm  
 Height                88,5 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 100                 | 1,5         | 13540                         | 13569                       | 13511                      | 13740                      | 13711                      |
|                     | 2,5         | 13541                         | 13570                       |                            | 13741                      |                            |
| 150                 | 1,5         | 13542                         | 13571                       | 13513                      | 13742                      | 13713                      |
|                     | 2,5         | 13543                         | 13572                       | 13514                      | 13743                      | 13714                      |
|                     | 5           | 13544                         | 13573                       |                            | 13744                      |                            |
| 200                 | 1,5         | 13545                         | 13574                       | 13516                      | 13745                      | 13716                      |
|                     | 2,5         | 13546                         | 13575                       | 13517                      | 13746                      | 13717                      |
|                     | 5           | 13548                         | 13576                       | 13518                      | 13747                      | 13718                      |
| 250                 | 2,5         | 13549                         | 13578                       | 13520                      | 13749                      | 13720                      |
|                     | 5           | 13550                         | 13579                       | 13521                      | 13750                      | 13721                      |
| 300                 | 2,5         | 13551                         | 13580                       | 13522                      | 13751                      | 13722                      |
|                     | 5           | 13552                         | 13581                       | 13523                      | 13752                      | 13723                      |
|                     | 10          | 13553                         | 13582                       |                            | 13753                      |                            |
| 400                 | 2,5         | 13554                         | 13583                       | 13525                      | 13754                      | 13725                      |
|                     | 5           | 13555                         | 13584                       | 13526                      | 13755                      | 13726                      |
|                     | 10          | 13556                         | 13585                       | 13527                      | 13756                      | 13727                      |
| 500                 | 2,5         | 13557                         | 13586                       | 13528                      | 13757                      | 13728                      |
|                     | 5           | 13558                         | 13587                       | 13529                      | 13758                      | 13729                      |
|                     | 10          | 13559                         | 13588                       | 13530                      | 13759                      | 13730                      |
|                     | 15          | 13560                         | 13589                       | 13531                      | 13760                      | 13731                      |
| 600                 | 2,5         | 13561                         | 13590                       | 13532                      | 13761                      | 13732                      |
|                     | 5           | 13562                         | 13591                       | 13533                      | 13762                      | 13733                      |
|                     | 10          | 13563                         | 13592                       | 13534                      | 13763                      | 13734                      |
|                     | 15          | 13564                         | 13593                       | 13535                      | 13764                      | 13735                      |
| 750                 | 2,5         | 13565                         | 13594                       | 13536                      | 13765                      | 13736                      |
|                     | 5           | 13566                         | 13595                       | 13537                      | 13766                      | 13737                      |
|                     | 10          | 13567                         | 13596                       | 13538                      | 13767                      | 13738                      |
|                     | 15          | 13568                         | 13597                       |                            | 13768                      | 13739                      |

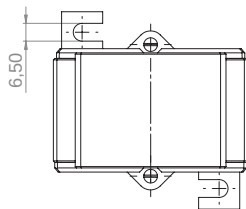
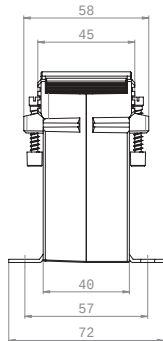
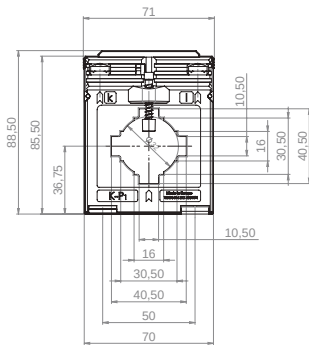
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type D</b> | <b>55012</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## EASK 41.4 2U

Plug-in current transformer, secondary reconnectable –  
Tariff applications



|                   |               |
|-------------------|---------------|
| Bus bar 1         | 40 x 10 mm    |
| Bus bar 2         | 2 x 30 x 5 mm |
| Round conductor   | 32 mm         |
| Transformer width | 71 mm         |
| Height            | 88,5 mm       |
| Depth             | 58 mm         |



|                     |             | Secondary current [A] / Class |                             |
|---------------------|-------------|-------------------------------|-----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. |
| 200-100             | 5-2,5       | 13598                         | 13607                       |
| 300-150             | 5-2,5       | 13599                         | 13608                       |
|                     | 10-5        | 13600                         | 13609                       |
| 400-200             | 5-2,5       | 13601                         | 13610                       |
|                     | 10-5        | 13602                         | 13611                       |
| 500-250             | 5-2,5       | 13603                         | 13612                       |
|                     | 10-5        | 13604                         | 13613                       |
| 600-300             | 5-2,5       | 13605                         | 13614                       |
|                     | 10-5        | 13606                         | 13615                       |

|                                                                                   |                                 | Art.-no.     |
|-----------------------------------------------------------------------------------|---------------------------------|--------------|
|  | <b>Snap-on mounting, type D</b> | <b>55012</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

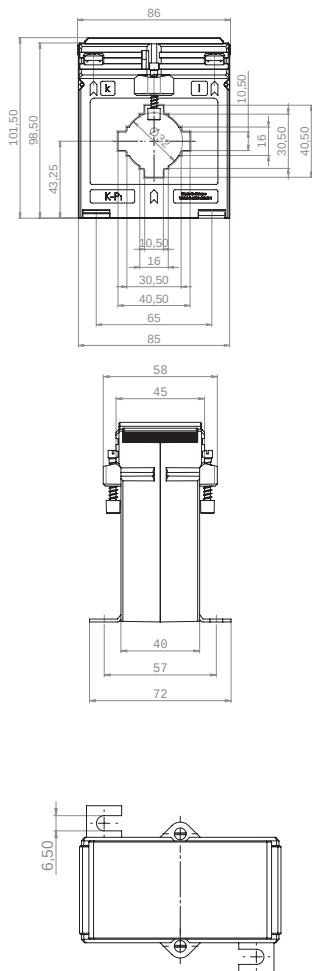


## EASK 541.4

Plug-in current transformer – Tariff applications



Bus bar 1            40 x 10 mm  
 Bus bar 2            2 x 30 x 5 mm  
 Round conductor    32 mm  
 Transformer width   86 mm  
 Height                101,5 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 75                  | 1,5         | 15557                         | 15603                       |                            | 15757                      |                            |
|                     | 2,5         | 15558                         | 15604                       |                            | 15758                      |                            |
| 100                 | 1,5         | 15559                         | 15605                       | 15513                      | 15759                      | 15713                      |
|                     | 2,5         | 15560                         | 15606                       | 15514                      | 15760                      | 15714                      |
|                     | 5           | 15561                         | 15607                       |                            | 15761                      |                            |
| 150                 | 1,5         | 15562                         | 15608                       | 15516                      | 15762                      | 15716                      |
|                     | 2,5         | 15563                         | 15609                       | 15517                      | 15763                      | 15717                      |
|                     | 5           | 15564                         | 15610                       | 15518                      | 15764                      | 15718                      |
|                     | 10          | 15565                         | 15611                       |                            | 15765                      |                            |
| 200                 | 2,5         | 15566                         | 15612                       | 15520                      | 15766                      | 15720                      |
|                     | 5           | 15567                         | 15613                       | 15521                      | 15767                      | 15721                      |
|                     | 10          | 15568                         | 15614                       | 15522                      | 15768                      | 15722                      |
|                     | 15          | 15569                         | 15615                       |                            | 15769                      |                            |
| 250                 | 2,5         | 15570                         | 15616                       | 15524                      | 15770                      | 15724                      |
|                     | 5           | 15571                         | 15617                       | 15525                      | 15771                      | 15725                      |
|                     | 10          | 15572                         | 15618                       | 15526                      | 15772                      | 15726                      |
|                     | 15          | 15573                         | 15619                       |                            | 15773                      |                            |
| 300                 | 2,5         | 15574                         | 15620                       | 15528                      | 15774                      | 15728                      |
|                     | 5           | 15575                         | 15621                       | 15529                      | 15775                      | 15729                      |
|                     | 10          | 15576                         | 15622                       | 15530                      | 15776                      | 15730                      |
|                     | 15          | 15577                         | 15623                       | 15531                      | 15777                      | 15731                      |
| 400                 | 2,5         | 15578                         | 15624                       | 15532                      | 15778                      | 15732                      |
|                     | 5           | 15579                         | 15625                       | 15533                      | 15779                      | 15733                      |
|                     | 10          | 15580                         | 15626                       | 15534                      | 15780                      | 15734                      |
|                     | 15          | 15581                         | 15627                       | 15535                      | 15781                      | 15735                      |
| 500                 | 2,5         | 15583                         | 15629                       | 15537                      | 15783                      | 15737                      |
|                     | 5           | 15584                         | 15630                       | 15538                      | 15784                      | 15738                      |
|                     | 10          | 15585                         | 15631                       | 15539                      | 15785                      | 15739                      |
|                     | 15          | 15586                         | 15632                       | 15540                      | 15786                      | 15740                      |
| 600                 | 2,5         | 15588                         | 15634                       | 15542                      | 15788                      | 15742                      |
|                     | 5           | 15589                         | 15635                       | 15543                      | 15789                      | 15743                      |
|                     | 10          | 15590                         | 15636                       | 15544                      | 15790                      | 15744                      |
|                     | 15          | 15591                         | 15637                       | 15545                      | 15791                      | 15745                      |
| 750                 | 2,5         | 15593                         | 15639                       | 15547                      | 15793                      | 15747                      |
|                     | 5           | 15594                         | 15640                       | 15548                      | 15794                      | 15748                      |
|                     | 10          | 15595                         | 15641                       | 15549                      | 15795                      | 15749                      |
|                     | 15          | 15596                         | 15642                       | 15550                      | 15796                      | 15750                      |
| 1000                | 2,5         |                               | 15644                       | 15552                      |                            |                            |
|                     | 5           | 15599                         | 15645                       | 15553                      | 15799                      | 15753                      |
|                     | 10          | 15600                         | 15646                       | 15554                      | 15800                      | 15754                      |
|                     | 15          | 15601                         | 15647                       | 15555                      | 15801                      | 15755                      |
|                     | 30          | 15602                         | 15648                       |                            | 15802                      |                            |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type C | 59042    |

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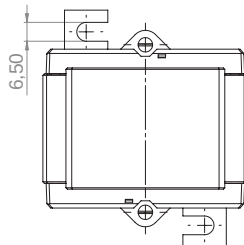
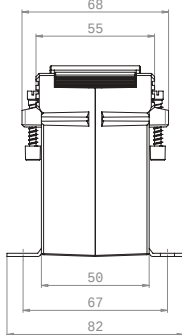
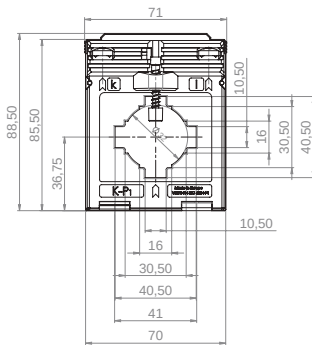
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E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## EASK 41.5

Plug-in current transformer – Tariff applications



Bus bar 1            40 x 10 mm  
 Bus bar 2            2 x 30 x 5 mm  
 Round conductor    32 mm  
 Transformer width   71 mm  
 Height                88,5 mm  
 Depth                 68 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 75                  | 2,5         | 1010505001                    |                             |                            | 1010705001                 |                            |
| 80                  | 2,5         | 1010505002                    |                             |                            | 1010705002                 |                            |
| 100                 | 1,5         | 1010505003                    | 1010504001                  |                            | 1010705003                 |                            |
|                     | 2,5         | 1010505004                    | 1010504002                  |                            | 1010705004                 |                            |
| 150                 | 2,5         | 1010505005                    | 1010504003                  | 1010503002                 | 1010705005                 | 1010703003                 |
|                     | 5           | 1010505006                    | 1010504004                  |                            | 1010705006                 |                            |
| 200                 | 2,5         | 1010505007                    | 1010504005                  | 1010503003                 | 1010705007                 | 1010703005                 |
|                     | 5           | 1010505008                    | 1010504006                  | 1010503004                 | 1010705008                 | 1010703006                 |
| 250                 | 2,5         | 1010505009                    | 1010504007                  | 1010503005                 | 1010705010                 | 1010703007                 |
|                     | 5           | 1010505010                    | 1010504008                  | 1010503006                 | 1010705011                 | 1010703008                 |
|                     | 10          | 1010505011                    | 1010504009                  |                            | 1010705012                 |                            |
| 300                 | 2,5         | 1010505012                    | 1010504010                  | 1010503008                 | 1010705013                 | 1010703009                 |
|                     | 5           | 1010505013                    | 1010504011                  | 1010503009                 | 1010705014                 | 1010703010                 |
|                     | 10          | 1010505014                    | 1010504012                  | 1010503010                 | 1010705015                 | 1010703011                 |
|                     | 15          | 1010505015                    | 1010504013                  |                            | 1010705016                 |                            |
| 400                 | 2,5         | 1010505016                    | 1010504014                  | 1010503011                 | 1010705017                 | 1010703012                 |
|                     | 5           | 1010505017                    | 1010504015                  | 1010503012                 | 1010705018                 | 1010703013                 |
|                     | 10          | 1010505018                    | 1010504016                  | 1010503013                 | 1010705019                 | 1010703014                 |
|                     | 15          | 1010505019                    | 1010504017                  |                            | 1010705020                 |                            |
| 500                 | 2,5         | 1010505020                    | 1010504018                  | 1010503014                 | 1010705021                 | 1010703015                 |
|                     | 5           | 1010505021                    | 1010504019                  | 1010503015                 | 1010705022                 | 1010703016                 |
|                     | 10          | 1010505022                    | 1010504020                  | 1010503016                 | 1010705023                 | 1010703017                 |
|                     | 15          | 1010505023                    | 1010504021                  |                            | 1010705024                 |                            |
| 600                 | 2,5         | 1010505024                    | 1010504022                  | 1010503017                 | 1010705025                 | 1010703018                 |
|                     | 5           | 1010505025                    | 1010504023                  | 1010503018                 | 1010705026                 | 1010703019                 |
|                     | 10          | 1010505026                    | 1010504024                  | 1010503019                 | 1010705027                 | 1010703020                 |
|                     | 15          | 1010505027                    | 1010504025                  |                            | 1010705028                 |                            |
| 750                 | 2,5         | 1010505028                    | 1010504026                  | 1010503021                 | 1010705029                 | 1010703022                 |
|                     | 5           | 1010505029                    | 1010504027                  | 1010503022                 | 1010705030                 | 1010703023                 |
|                     | 10          | 1010505030                    | 1010504028                  | 1010503023                 | 1010705031                 | 1010703024                 |
|                     | 15          | 1010505031                    | 1010504029                  |                            | 1010705032                 |                            |
| 800                 | 2,5         | 1010505032                    | 1010504030                  | 1010503025                 | 1010705033                 | 1010703026                 |
|                     | 5           | 1010505033                    | 1010504031                  | 1010503026                 | 1010705034                 | 1010703027                 |
|                     | 10          | 1010505034                    | 1010504032                  | 1010503027                 | 1010705035                 | 1010703028                 |
|                     | 15          | 1010505035                    | 1010504033                  |                            | 1010705036                 |                            |
| 1000                | 2,5         | 1010505036                    | 1010504034                  | 1010503029                 | 1010705037                 | 1010703030                 |
|                     | 5           | 1010505037                    | 1010504035                  | 1010503030                 | 1010705038                 | 1010703031                 |
|                     | 10          | 1010505038                    | 1010504036                  | 1010503031                 | 1010705039                 | 1010703032                 |
|                     | 15          | 1010505039                    | 1010504037                  |                            | 1010705040                 |                            |

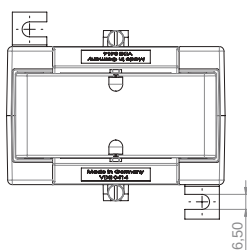
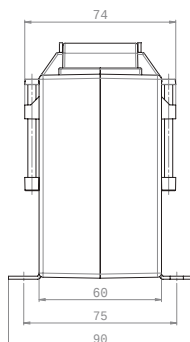
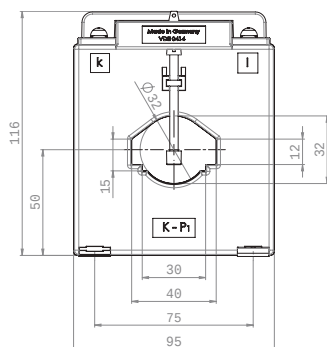
|  |                                 | Art.-no.     |
|--|---------------------------------|--------------|
|  | <b>Snap-on mounting, type C</b> | <b>55011</b> |
|  | <b>Sealed shutter, type B</b>   | <b>59041</b> |

## EASK 41.6

### Plug-in current transformer – Tariff applications



Bus bar 1            40 x 12 mm  
 Bus bar 2            30 x 15 mm  
 Round conductor    32 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 75                  | 2,5         | 14552                         | 14595                       |                            | 14752                      |                            |
|                     | 5           | 14553                         |                             |                            | 14753                      |                            |
| 100                 | 2,5         | 14554                         | 14597                       | 14513                      | 14754                      | 14713                      |
|                     | 5           | 14555                         | 14598                       |                            | 14755                      |                            |
|                     | 10          | 14556                         |                             |                            | 14756                      |                            |
| 150                 | 2,5         | 14557                         | 14600                       | 14516                      | 14757                      | 14716                      |
|                     | 5           | 14558                         | 14601                       | 14517                      | 14758                      | 14717                      |
|                     | 10          | 14559                         | 14602                       |                            | 14759                      |                            |
|                     | 15          | 14560                         | 14603                       |                            | 14760                      |                            |
| 200                 | 2,5         | 14561                         | 14604                       | 14520                      | 14761                      | 14720                      |
|                     | 5           | 14562                         | 14605                       | 14521                      | 14762                      | 14721                      |
|                     | 10          | 14563                         | 14606                       | 14522                      | 14763                      | 14722                      |
|                     | 15          | 14564                         | 14607                       |                            | 14764                      |                            |
| 250                 | 2,5         | 14565                         | 14608                       | 14524                      | 14765                      | 14724                      |
|                     | 5           | 14566                         | 14609                       | 14525                      | 14766                      | 14725                      |
|                     | 10          | 14567                         | 14610                       | 14526                      | 14767                      | 14726                      |
|                     | 15          | 14568                         | 14611                       |                            | 14768                      |                            |
| 300                 | 2,5         | 14569                         | 14612                       | 14528                      | 14769                      | 14728                      |
|                     | 5           | 14570                         | 14613                       | 14529                      | 14770                      | 14729                      |
|                     | 10          | 14571                         | 14614                       | 14530                      | 14771                      | 14730                      |
|                     | 15          | 14572                         | 14615                       | 14531                      | 14772                      | 14731                      |
| 400                 | 2,5         | 14573                         | 14616                       | 14532                      | 14773                      | 14732                      |
|                     | 5           | 14574                         | 14617                       | 14533                      | 14774                      | 14733                      |
|                     | 10          | 14575                         | 14618                       | 14534                      | 14775                      | 14734                      |
|                     | 15          | 14576                         | 14619                       | 14535                      | 14776                      | 14735                      |
| 500                 | 2,5         | 14577                         | 14620                       | 14536                      | 14777                      | 14736                      |
|                     | 5           | 14578                         | 14621                       | 14537                      | 14778                      | 14737                      |
|                     | 10          | 14579                         | 14622                       | 14538                      | 14779                      | 14738                      |
|                     | 15          | 14580                         | 14623                       | 14539                      | 14780                      | 14739                      |
| 600                 | 2,5         | 14581                         | 14624                       | 14540                      | 14781                      | 14740                      |
|                     | 5           | 14582                         | 14625                       | 14541                      | 14782                      | 14741                      |
|                     | 10          | 14583                         | 14626                       | 14542                      | 14783                      | 14742                      |
|                     | 15          | 14584                         | 14627                       | 14543                      | 14784                      | 14743                      |
|                     | 30          | 14585                         | 14628                       |                            | 14785                      |                            |
| 750                 | 2,5         | 14586                         | 14629                       | 14544                      | 14786                      | 14744                      |
|                     | 5           | 14587                         | 14630                       | 14545                      | 14787                      | 14745                      |
|                     | 10          | 14588                         | 14631                       | 14546                      | 14788                      | 14746                      |
|                     | 15          | 14589                         | 14632                       | 14547                      | 14789                      | 14747                      |
|                     | 30          | 14590                         | 14633                       |                            | 14790                      |                            |
| 1000                | 5           | 14591                         | 14634                       | 14548                      | 14791                      | 14748                      |
|                     | 10          | 14592                         | 14635                       | 14549                      | 14792                      | 14749                      |
|                     | 15          | 14593                         | 14636                       | 14550                      | 14793                      | 14750                      |
|                     | 30          | 14594                         | 14637                       |                            | 14794                      |                            |

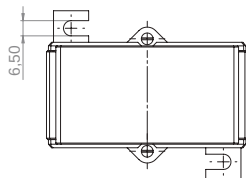
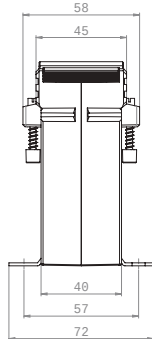
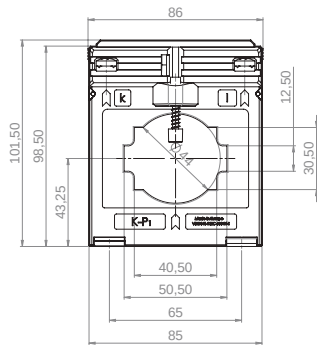
|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type E | 59044    |

## EASK 51.4

Plug-in current transformer – Tariff applications



Bus bar 1            50 x 12 mm  
 Bus bar 2            2 x 40 x 10 mm  
 Round conductor    44 mm  
 Transformer width   86 mm  
 Height                101,5 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 100                 | 1,5         | 16542                         | 16573                       |                            | 16742                      |                            |
|                     | 2,5         | 16543                         | 16574                       |                            | 16743                      |                            |
| 150                 | 1,5         | 16544                         | 16575                       | 16513                      | 16744                      | 16713                      |
|                     | 2,5         | 16545                         | 16576                       |                            | 16745                      |                            |
| 200                 | 1,5         | 16546                         | 16577                       | 16515                      | 16746                      | 16715                      |
|                     | 2,5         | 16547                         | 16578                       | 16516                      | 16747                      | 16716                      |
|                     | 5           | 16548                         | 16579                       | 16517                      | 16748                      | 16717                      |
| 250                 | 1,5         | 16549                         | 16580                       | 16518                      | 16749                      | 16718                      |
|                     | 2,5         | 16550                         | 16581                       | 16519                      | 16750                      | 16719                      |
|                     | 5           | 16551                         | 16582                       | 16520                      | 16751                      | 16720                      |
| 300                 | 2,5         | 16553                         | 16584                       | 16522                      | 16753                      | 16722                      |
|                     | 5           | 16554                         | 16585                       | 16523                      | 16754                      | 16723                      |
| 400                 | 2,5         | 16555                         | 16586                       | 16524                      | 16755                      | 16724                      |
|                     | 5           | 16556                         | 16587                       | 16525                      | 16756                      | 16725                      |
|                     | 10          | 16557                         | 16588                       | 16526                      | 16757                      | 16726                      |
| 500                 | 2,5         | 16558                         | 16589                       | 16527                      | 16758                      | 16727                      |
|                     | 5           | 16559                         | 16590                       | 16528                      | 16759                      | 16728                      |
|                     | 10          | 16560                         | 16591                       | 16529                      | 16760                      | 16729                      |
| 600                 | 2,5         | 16561                         | 16592                       | 16530                      | 16761                      | 16730                      |
|                     | 5           | 16562                         | 16593                       | 16531                      | 16762                      | 16731                      |
|                     | 10          | 16563                         | 16594                       | 16532                      | 16763                      | 16732                      |
| 750                 | 15          | 16564                         | 16595                       | 16533                      | 16764                      | 16733                      |
|                     | 2,5         | 16565                         | 16596                       | 16534                      |                            | 16734                      |
|                     | 5           | 16566                         | 16597                       | 16535                      | 16766                      | 16735                      |
| 1000                | 10          | 16567                         | 16598                       | 16536                      | 16767                      | 16736                      |
|                     | 15          | 16568                         | 16599                       | 16537                      | 16768                      | 16737                      |
| 1000                | 5           | 16570                         | 16601                       | 16539                      | 16770                      | 16739                      |
|                     | 10          | 16571                         | 16602                       | 16540                      | 16771                      | 16740                      |
|                     | 15          | 16572                         | 16603                       | 16541                      | 16772                      | 16741                      |

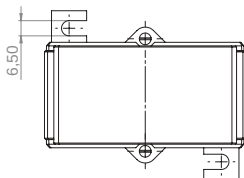
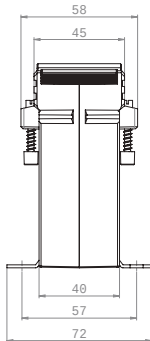
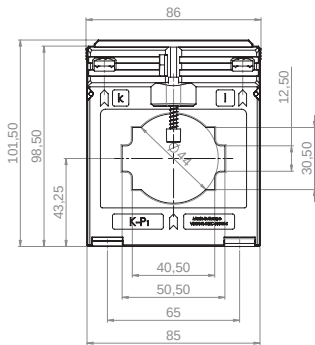
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## EASK 51.4 2U

Plug-in current transformer, secondary reconnectable –  
Tariff applications



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 50 x 12 mm     |
| Bus bar 2         | 2 x 40 x 10 mm |
| Round conductor   | 44 mm          |
| Transformer width | 86 mm          |
| Height            | 101,5 mm       |
| Depth             | 58 mm          |



|                     |             | Secondary current [A] / Class |                             |
|---------------------|-------------|-------------------------------|-----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. |
| 200-100             | 5-2,5       | 16611                         | 16621                       |
| 300-150             | 5-2,5       | 16612                         | 16622                       |
| 400-200             | 5-2,5       | 16613                         | 16623                       |
|                     | 10-5        | 16614                         | 16624                       |
| 500-250             | 5-2,5       | 16615                         | 16625                       |
|                     | 10-5        | 16616                         | 16626                       |
| 600-300             | 5-2,5       | 16617                         | 16627                       |
|                     | 10-5        | 16618                         | 16628                       |
| 1000-500            | 5-2,5       | 16619                         | 16629                       |
|                     | 10-5        | 16620                         | 16630                       |

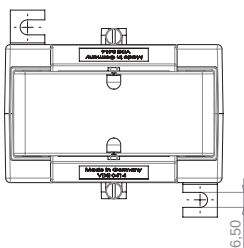
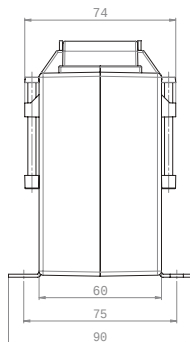
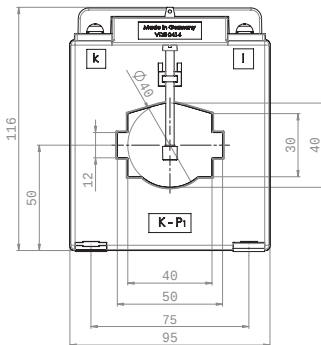
|                                                                                   |                               | Art.-no.     |
|-----------------------------------------------------------------------------------|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## EASK 51.6

Plug-in current transformer – Tariff applications



Bus bar 1            50 x 12 mm  
 Bus bar 2            40 x 30 mm  
 Round conductor    40 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 100                 | 2,5         | 17555                         | 17599                       | 17511                      | 17755                      | 17711                      |
|                     | 5           | 17556                         | 17600                       |                            | 17756                      |                            |
| 150                 | 2,5         | 17557                         | 17601                       | 17513                      | 17757                      | 17713                      |
|                     | 5           | 17558                         | 17602                       | 17514                      | 17758                      | 17714                      |
|                     | 10          | 17559                         | 17603                       |                            | 17759                      |                            |
| 200                 | 2,5         | 17560                         | 17604                       | 17516                      | 17760                      | 17716                      |
|                     | 5           | 17561                         | 17605                       | 17517                      | 17761                      | 17717                      |
|                     | 10          | 17562                         | 17606                       |                            | 17762                      |                            |
| 250                 | 2,5         | 17563                         | 17607                       | 17519                      | 17763                      | 17719                      |
|                     | 5           | 17564                         | 17608                       | 17520                      | 17764                      | 17720                      |
|                     | 10          | 17565                         | 17609                       | 17521                      | 17765                      | 17721                      |
|                     | 15          | 17566                         | 17610                       |                            | 17766                      |                            |
| 300                 | 2,5         | 17567                         | 17611                       | 17523                      | 17767                      | 17723                      |
|                     | 5           | 17568                         | 17612                       | 17524                      | 17768                      | 17724                      |
|                     | 10          | 17569                         | 17613                       | 17525                      | 17769                      | 17725                      |
|                     | 15          | 17570                         | 17614                       |                            | 17770                      |                            |
| 400                 | 2,5         | 17571                         | 17615                       | 17527                      | 17771                      | 17727                      |
|                     | 5           | 17572                         | 17616                       | 17528                      | 17772                      | 17728                      |
|                     | 10          | 17573                         | 17617                       | 17529                      | 17773                      | 17729                      |
|                     | 15          | 17574                         | 17618                       |                            | 17774                      |                            |
| 500                 | 2,5         | 17575                         | 17619                       | 17531                      | 17775                      | 17731                      |
|                     | 5           | 17576                         | 17620                       | 17532                      | 17776                      | 17732                      |
|                     | 10          | 17577                         | 17621                       | 17533                      | 17777                      | 17733                      |
|                     | 15          | 17578                         | 17622                       |                            | 17778                      |                            |
| 600                 | 2,5         | 17579                         | 17623                       | 17535                      | 17779                      | 17735                      |
|                     | 5           | 17580                         | 17624                       | 17536                      | 17780                      | 17736                      |
|                     | 10          | 17581                         | 17625                       | 17537                      | 17781                      | 17737                      |
|                     | 15          | 17582                         | 17626                       | 17538                      | 17782                      | 17738                      |
| 750                 | 2,5         | 17583                         | 17627                       | 17539                      | 17783                      | 17739                      |
|                     | 5           | 17584                         | 17628                       | 17540                      | 17784                      | 17740                      |
|                     | 10          | 17585                         | 17629                       | 17541                      | 17785                      | 17741                      |
|                     | 15          | 17586                         | 17630                       | 17542                      | 17786                      | 17742                      |
| 1000                | 5           | 17587                         | 17631                       | 17543                      | 17787                      | 17743                      |
|                     | 10          | 17588                         | 17632                       | 17544                      | 17788                      | 17744                      |
|                     | 15          | 17589                         | 17633                       | 17545                      | 17789                      | 17745                      |
|                     | 30          | 17590                         | 17634                       |                            | 17790                      |                            |
| 1200                | 5           | 17591                         | 17635                       | 17547                      | 17791                      | 17747                      |
|                     | 10          | 17592                         | 17636                       | 17548                      | 17792                      | 17748                      |
|                     | 15          | 17593                         | 17637                       | 17549                      | 17793                      | 17749                      |
|                     | 30          | 17594                         | 17638                       |                            | 17794                      |                            |
| 1250                | 5           | 17595                         | 17639                       | 17551                      | 17795                      | 17751                      |
|                     | 10          | 17596                         | 17640                       | 17552                      | 17796                      | 17752                      |
|                     | 15          | 17597                         | 17641                       | 17553                      | 17797                      | 17753                      |
|                     | 30          | 17598                         | 17642                       |                            | 17798                      |                            |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type E | 59044    |

**MBS AG**

Eisbachstraße 51 - 74429 Sulzbach-Laufen  
Germany

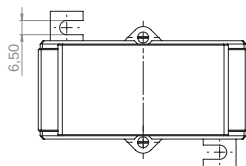
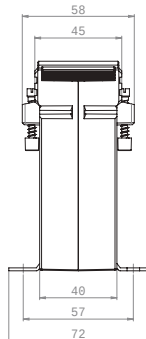
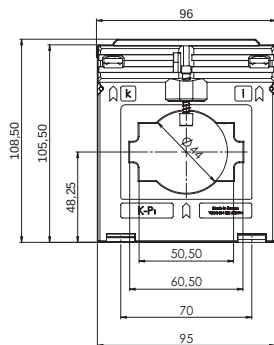
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## EASK 61.4

Plug-in current transformer – Tariff applications



Bus bar 1            60 x 10 mm  
 Bus bar 2            2 x 50 x 10 mm  
 Round conductor    44 mm  
 Transformer width   96 mm  
 Height                108,5 mm  
 Depth                 58 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 200                 | 1,5         | 19555                         | 19599                       | 19511                      | 19755                      | 19711                      |
|                     | 2,5         | 19556                         | 19600                       | 19512                      | 19756                      | 19712                      |
| 250                 | 1,5         | 19557                         | 19601                       | 19513                      | 19757                      | 19713                      |
|                     | 2,5         | 19558                         | 19602                       | 19514                      | 19758                      | 19714                      |
|                     | 5           | 19559                         | 19603                       | 19515                      | 19759                      | 19715                      |
| 300                 | 1,5         | 19560                         | 19604                       | 19516                      | 19760                      | 19716                      |
|                     | 2,5         | 19561                         | 19605                       | 19517                      | 19761                      | 19717                      |
|                     | 5           | 19562                         | 19606                       | 19518                      | 19762                      | 19718                      |
|                     | 10          | 19563                         | 19607                       |                            |                            |                            |
| 400                 | 2,5         | 19564                         | 19608                       | 19520                      | 19764                      | 19720                      |
|                     | 5           | 19565                         | 19609                       | 19521                      | 19765                      | 19721                      |
|                     | 10          | 19566                         | 19610                       | 19522                      | 19766                      | 19722                      |
| 500                 | 2,5         | 19567                         | 19611                       | 19523                      | 19767                      | 19723                      |
|                     | 5           | 19568                         | 19612                       | 19524                      | 19768                      | 19724                      |
|                     | 10          | 19569                         | 19613                       | 19525                      | 19769                      | 19725                      |
|                     | 15          | 19570                         | 19614                       |                            | 19770                      |                            |
| 600                 | 2,5         | 19571                         | 19615                       | 19527                      | 19771                      | 19727                      |
|                     | 5           | 19572                         | 19616                       | 19528                      | 19772                      | 19728                      |
|                     | 10          | 19573                         | 19617                       | 19529                      | 19773                      | 19729                      |
|                     | 15          | 19574                         | 19618                       | 19530                      | 19774                      | 19730                      |
| 750                 | 2,5         | 19575                         | 19619                       | 19531                      | 19775                      | 19731                      |
|                     | 5           | 19576                         | 19620                       | 19532                      | 19776                      | 19732                      |
|                     | 10          | 19577                         | 19621                       | 19533                      | 19777                      | 19733                      |
|                     | 15          | 19578                         | 19622                       | 19534                      | 19778                      | 19734                      |
| 1000                | 5           | 19581                         | 19625                       | 19537                      | 19780                      | 19737                      |
|                     | 10          | 19582                         | 19626                       | 19538                      | 19781                      | 19738                      |
|                     | 15          | 19583                         | 19627                       | 19539                      | 19782                      | 19739                      |
| 1200                | 2,5         | 19585                         | 19629                       | 19541                      |                            |                            |
|                     | 5           | 19586                         | 19630                       | 19542                      | 19785                      | 19741                      |
|                     | 10          | 19587                         | 19631                       | 19543                      | 19786                      | 19742                      |
|                     | 15          | 19588                         | 19632                       | 19544                      | 19787                      | 19743                      |
| 1250                | 5           | 19590                         | 19634                       | 19546                      | 19790                      | 19746                      |
|                     | 10          | 19591                         | 19635                       | 19547                      | 19791                      | 19747                      |
|                     | 15          | 19592                         | 19636                       | 19548                      | 19792                      | 19748                      |
|                     | 30          | 19593                         | 19637                       |                            |                            |                            |
| 1500                | 5           | 19595                         | 19639                       | 19551                      | 19795                      | 19751                      |
|                     | 10          | 19596                         | 19640                       | 19552                      | 19796                      | 19752                      |
|                     | 15          | 19597                         | 19641                       | 19553                      | 19797                      | 19753                      |
|                     | 30          | 19598                         | 19642                       |                            |                            |                            |

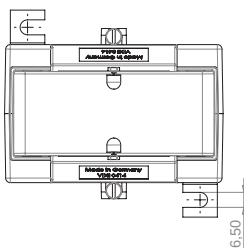
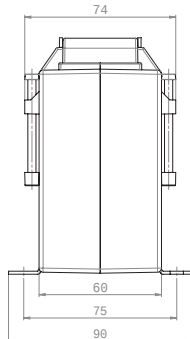
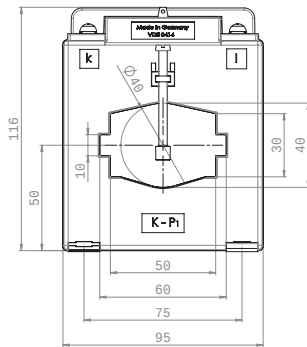
|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type C | 59042    |

## EASK 61.6

Plug-in current transformer – Tariff applications



Bus bar 1            60 x 10 mm  
 Bus bar 2            50 x 30 mm  
 Round conductor    40 mm  
 Transformer width   95 mm  
 Height                116 mm  
 Depth                 74 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 200                 | 2,5         | 20552                         | 20593                       | 20511                      | 20752                      | 20711                      |
|                     | 5           | 20553                         | 20594                       |                            | 20753                      |                            |
| 250                 | 2,5         | 20554                         | 20595                       | 20513                      | 20754                      | 20713                      |
|                     | 5           | 20555                         | 20596                       | 20514                      | 20755                      | 20714                      |
|                     | 10          | 20556                         | 20597                       |                            | 20756                      |                            |
| 300                 | 2,5         | 20557                         | 20598                       | 20516                      | 20757                      | 20716                      |
|                     | 5           | 20558                         | 20599                       | 20517                      | 20758                      | 20717                      |
|                     | 10          | 20559                         | 20600                       | 20518                      | 20759                      | 20718                      |
|                     | 15          | 20560                         | 20601                       |                            | 20760                      |                            |
| 400                 | 2,5         | 20561                         | 20602                       | 20520                      | 20761                      | 20720                      |
|                     | 5           | 20562                         | 20603                       | 20521                      | 20762                      | 20721                      |
|                     | 10          | 20563                         | 20604                       | 20522                      | 20763                      | 20722                      |
|                     | 15          | 20564                         | 20605                       |                            | 20764                      |                            |
| 500                 | 2,5         | 20565                         | 20606                       | 20524                      | 20765                      | 20724                      |
|                     | 5           | 20566                         | 20607                       | 20525                      | 20766                      | 20725                      |
|                     | 10          | 20567                         | 20608                       | 20526                      | 20767                      | 20726                      |
|                     | 15          | 20568                         | 20609                       |                            | 20768                      |                            |
| 600                 | 2,5         | 20569                         | 20610                       | 20528                      | 20769                      | 20728                      |
|                     | 5           | 20570                         | 20611                       | 20529                      | 20770                      | 20729                      |
|                     | 10          | 20571                         | 20612                       | 20530                      | 20771                      | 20730                      |
|                     | 15          | 20572                         | 20613                       |                            | 20772                      |                            |
| 750                 | 2,5         | 20573                         | 20614                       | 20532                      | 20773                      | 20732                      |
|                     | 5           | 20574                         | 20615                       | 20533                      | 20774                      | 20733                      |
|                     | 10          | 20575                         | 20616                       | 20534                      | 20775                      | 20734                      |
|                     | 15          | 20576                         | 20617                       | 20535                      | 20776                      | 20735                      |
| 1000                | 5           | 20577                         | 20618                       | 20536                      | 20777                      | 20736                      |
|                     | 10          | 20578                         | 20619                       | 20537                      | 20778                      | 20737                      |
|                     | 15          | 20579                         | 20620                       | 20538                      | 20779                      | 20738                      |
| 1200                | 5           | 20581                         | 20622                       | 20540                      | 20781                      | 20740                      |
|                     | 10          | 20582                         | 20623                       | 20541                      | 20782                      | 20741                      |
|                     | 15          | 20583                         | 20624                       | 20542                      | 20783                      | 20742                      |
|                     | 30          | 20584                         | 20625                       |                            | 20784                      |                            |
| 1250                | 5           | 20585                         | 20626                       | 20544                      | 20785                      | 20744                      |
|                     | 10          | 20586                         | 20627                       | 20545                      | 20786                      | 20745                      |
|                     | 15          | 20587                         | 20628                       | 20546                      | 20787                      | 20746                      |
|                     | 30          | 20588                         | 20629                       |                            | 20788                      |                            |
| 1500                | 5           | 20589                         | 20630                       | 20548                      | 20789                      | 20748                      |
|                     | 10          | 20590                         | 20631                       | 20549                      | 20790                      | 20749                      |
|                     | 15          | 20591                         | 20632                       | 20550                      | 20791                      | 20750                      |
|                     | 30          | 20592                         | 20633                       |                            | 20792                      |                            |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type E | 59044    |

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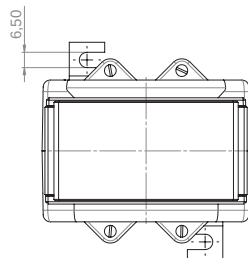
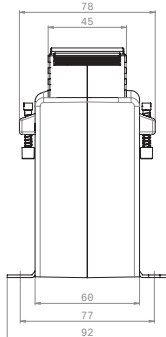
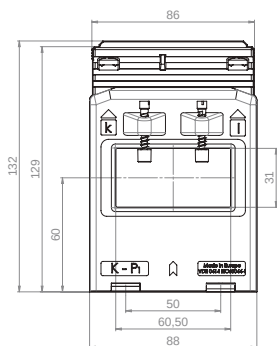


## EASK 63.6

Plug-in current transformer – Tariff applications



Bus bar 1                    60 x 30 mm  
 Round conductor        30 mm  
 Transformer width      88 mm  
 Height                    132 mm  
 Depth                    78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 250                 | 2,5         | 85558                         | 85602                       | 85513                      | 85758                      | 85713                      |
|                     | 5           | 85559                         | 85603                       |                            | 85759                      |                            |
| 300                 | 2,5         | 85560                         | 85604                       | 85515                      | 85760                      | 85715                      |
|                     | 5           | 85561                         | 85605                       | 85516                      | 85761                      | 85716                      |
|                     | 10          | 85562                         | 85606                       |                            | 85762                      |                            |
| 400                 | 2,5         | 85563                         | 85607                       | 85518                      | 85763                      | 85718                      |
|                     | 5           | 85564                         | 85608                       | 85519                      | 85764                      | 85719                      |
|                     | 10          | 85565                         | 85609                       |                            | 85765                      |                            |
| 500                 | 2,5         | 85566                         | 85610                       | 85521                      | 85766                      | 85721                      |
|                     | 5           | 85567                         | 85611                       | 85522                      | 85767                      | 85722                      |
|                     | 10          | 85568                         | 85612                       | 85523                      | 85768                      | 85723                      |
|                     | 15          | 85569                         | 85613                       |                            | 85769                      |                            |
| 600                 | 2,5         | 85570                         | 85614                       | 85525                      | 85770                      | 85725                      |
|                     | 5           | 85571                         | 85615                       | 85526                      | 85771                      | 85726                      |
|                     | 10          | 85572                         | 85616                       | 85527                      | 85772                      | 85727                      |
|                     | 15          | 85573                         | 85617                       | 85528                      | 85773                      | 85728                      |
| 750                 | 5           | 85574                         | 85618                       | 85530                      | 85774                      | 85730                      |
|                     | 10          | 85575                         | 85619                       | 85531                      | 85775                      | 85731                      |
|                     | 15          | 85576                         | 85620                       | 85532                      | 85776                      | 85732                      |
|                     | 30          | 85577                         | 85621                       |                            | 85777                      |                            |
| 1000                | 5           | 85578                         | 85622                       | 85534                      | 85778                      | 85734                      |
|                     | 10          | 85579                         | 85623                       | 85535                      | 85779                      | 85735                      |
|                     | 15          | 85580                         | 85624                       | 85536                      | 85780                      | 85736                      |
|                     | 30          | 85581                         | 85625                       |                            | 85781                      |                            |
| 1200                | 5           | 85582                         | 85626                       | 85538                      | 85782                      | 85738                      |
|                     | 10          | 85583                         | 85627                       | 85539                      | 85783                      | 85739                      |
|                     | 15          | 85584                         | 85628                       | 85540                      | 85784                      | 85740                      |
|                     | 30          | 85585                         | 85629                       |                            | 85785                      |                            |
| 1250                | 5           | 85586                         | 85630                       | 85542                      | 85786                      | 85742                      |
|                     | 10          | 85587                         | 85631                       | 85543                      | 85787                      | 85743                      |
|                     | 15          | 85588                         | 85632                       | 85544                      | 85788                      | 85744                      |
|                     | 30          | 85589                         | 85633                       |                            | 85789                      |                            |
| 1500                | 5           | 85590                         | 85634                       | 85546                      | 85790                      | 85746                      |
|                     | 10          | 85591                         | 85635                       | 85547                      | 85791                      | 85747                      |
|                     | 15          | 85592                         | 85636                       | 85548                      | 85792                      | 85748                      |
|                     | 30          | 85593                         | 85637                       |                            | 85793                      |                            |

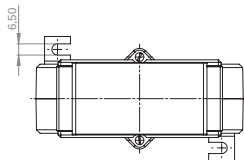
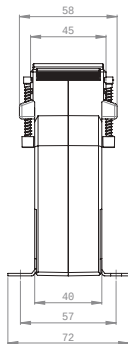
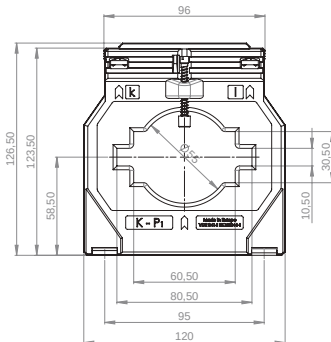
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## EASK 81.4

Plug-in current transformer – Tariff applications



|                   |                |
|-------------------|----------------|
| Bus bar 1         | 80 x 10 mm     |
| Bus bar 2         | 60 x 30 mm     |
| Bus bar 3         | 2 x 60 x 10 mm |
| Round conductor   | 55 mm          |
| Transformer width | 120 mm         |
| Height            | 126,5 mm       |
| Depth             | 58 mm          |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 400                 | 2,5         | 21541                         | 21571                       | 21511                      | 21741                      | 21711                      |
|                     | 5           | 21542                         | 21572                       | 21512                      | 21742                      |                            |
|                     | 10          | 21543                         |                             |                            | 21743                      |                            |
| 500                 | 2,5         | 21544                         | 21574                       | 21514                      | 21744                      | 21714                      |
|                     | 5           | 21545                         | 21575                       | 21515                      | 21745                      | 21715                      |
|                     | 10          | 21546                         | 21576                       | 21516                      | 21746                      | 21716                      |
| 600                 | 2,5         | 21547                         | 21577                       | 21517                      | 21747                      | 21717                      |
|                     | 5           | 21548                         | 21578                       | 21518                      | 21748                      | 21718                      |
|                     | 10          | 21549                         | 21579                       | 21519                      | 21749                      | 21719                      |
| 750                 | 2,5         | 21551                         | 21581                       | 21521                      | 21751                      | 21721                      |
|                     | 5           | 21552                         | 21582                       | 21522                      | 21752                      | 21722                      |
|                     | 10          | 21553                         | 21583                       | 21523                      | 21753                      | 21723                      |
| 1000                | 5           | 21556                         | 21586                       | 21526                      | 21756                      | 21726                      |
|                     | 10          | 21557                         | 21587                       | 21527                      | 21757                      | 21727                      |
|                     | 15          | 21558                         | 21588                       |                            | 21758                      |                            |
| 1200                | 5           | 21560                         | 21590                       | 21530                      | 21760                      | 21730                      |
|                     | 10          | 21561                         | 21591                       | 21531                      | 21761                      | 21731                      |
|                     | 15          | 21562                         | 21592                       | 21532                      | 21762                      | 21732                      |
| 1250                | 5           | 21564                         | 21594                       | 21534                      | 21764                      | 21734                      |
|                     | 10          | 21565                         | 21595                       | 21535                      | 21765                      | 21735                      |
|                     | 15          | 21566                         | 21596                       | 21536                      | 21766                      | 21736                      |
| 1500                | 5           | 21568                         | 21598                       | 21538                      | 21768                      | 21738                      |
|                     | 10          | 21569                         | 21599                       | 21539                      | 21769                      | 21739                      |
|                     | 15          | 21570                         | 21600                       | 21540                      | 21770                      | 21740                      |

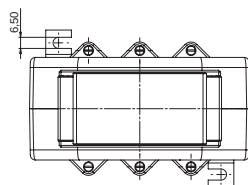
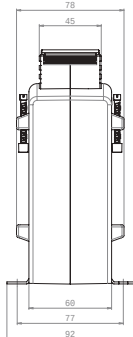
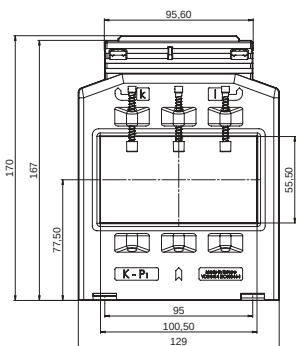
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | –            |
|  | <b>Sealed shutter, type C</b> | <b>59042</b> |

## EASK 105.6

Plug-in current transformer - Tariff applications



Bus bar 1                    100 x 55 mm  
Round conductor            55 mm  
Transformer width          129 mm  
Height                        170 mm  
Depth                         78 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 600                 | 2,5         | 86568                         | 86622                       | 86515                      | 86768                      | 86715                      |
|                     | 5           | 86569                         | 86623                       | 86516                      | 86769                      | 86716                      |
| 750                 | 2,5         | 86571                         | 86625                       | 86518                      | 86771                      | 86718                      |
|                     | 5           | 86572                         | 86626                       | 86519                      | 86772                      | 86719                      |
|                     | 10          | 86573                         | 86627                       | 86520                      | 86773                      | 86720                      |
| 1000                | 2,5         | 86574                         |                             |                            |                            |                            |
|                     | 5           | 86575                         | 86629                       | 86522                      | 86775                      | 86722                      |
|                     | 10          | 86576                         | 86630                       | 86523                      | 86776                      | 86723                      |
|                     | 15          | 86577                         | 86631                       | 86524                      | 86777                      | 86724                      |
| 1200                | 5           | 86579                         | 86633                       | 86526                      | 86779                      | 86726                      |
|                     | 10          | 86580                         | 86634                       | 86527                      | 86780                      | 86727                      |
|                     | 15          | 86581                         | 86635                       | 86528                      | 86781                      | 86728                      |
| 1250                | 5           | 86583                         | 86637                       | 86530                      | 86783                      | 86730                      |
|                     | 10          | 86584                         | 86638                       | 86531                      | 86784                      | 86731                      |
|                     | 15          | 86585                         | 86639                       | 86532                      | 86785                      | 86732                      |
|                     | 30          | 86586                         | 86640                       |                            | 86786                      |                            |
| 1500                | 5           | 86588                         | 86642                       | 86535                      | 86788                      | 86735                      |
|                     | 10          | 86589                         | 86643                       | 86536                      | 86789                      | 86736                      |
|                     | 15          | 86590                         | 86644                       | 86537                      | 86790                      | 86737                      |
|                     | 30          | 86591                         | 86645                       | 86538                      | 86791                      | 86738                      |
| 1600                | 5           |                               | 86647                       | 86540                      |                            |                            |
|                     | 10          | 86594                         | 86648                       | 86541                      | 86794                      | 86741                      |
|                     | 15          | 86595                         | 86649                       | 86542                      | 86795                      | 86742                      |
|                     | 30          | 86596                         | 86650                       | 86543                      | 86796                      | 86743                      |
| 2000                | 5           | 86598                         | 86652                       | 86545                      |                            |                            |
|                     | 10          | 86599                         | 86653                       | 86546                      | 86799                      | 86746                      |
|                     | 15          | 86600                         | 86654                       | 86547                      | 86800                      | 86747                      |
|                     | 30          | 86601                         | 86655                       | 86548                      | 86801                      | 86748                      |
| 2500                | 5           | 86603                         | 86657                       | 86550                      |                            |                            |
|                     | 10          | 86604                         | 86658                       | 86551                      | 86804                      | 86751                      |
|                     | 15          | 86605                         | 86659                       | 86552                      | 86805                      | 86752                      |
|                     | 30          | 86606                         | 86660                       | 86553                      | 86806                      | 86753                      |
| 3000                | 5           |                               | 86662                       | 86555                      |                            |                            |
|                     | 10          | 86609                         | 86663                       | 86556                      | 86809                      | 86756                      |
|                     | 15          | 86610                         | 86664                       | 86557                      | 86810                      | 86757                      |
|                     | 30          | 86611                         | 86665                       | 86558                      | 86811                      | 86758                      |

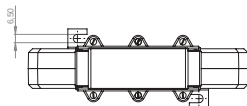
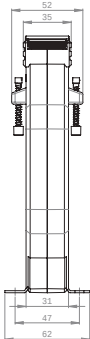
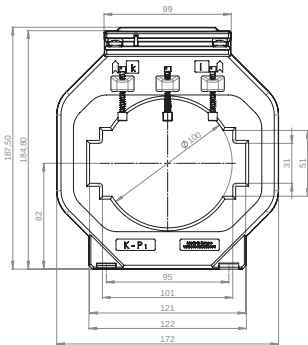
|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | -        |
|  | Sealed shutter, type C | 59042    |

## EASK 123.3

Plug-in current transformer - Tariff applications



Bus bar 1            120 x 30 mm  
 Bus bar 2            3 x 100 x 10 mm  
 Round conductor    100 mm  
 Transformer width   172 mm  
 Height                187,5 mm  
 Depth                 52 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. |
| 750                 | 2,5         | V56-2301D                     | V56-2302D                   |                            |
|                     | 5           | V56-2301F                     | V56-2302F                   |                            |
|                     | 10          | V56-2301H                     | V56-2302H                   |                            |
| 1000                | 2,5         | V56-2501D                     | V56-2502D                   | V56-2503D                  |
|                     | 5           | V56-2501F                     | V56-2502F                   | V56-2503F                  |
|                     | 10          | V56-2501H                     | V56-2502H                   |                            |
| 1200                | 5           | V56-2601F                     | V56-2602F                   | V56-2603F                  |
|                     | 10          | V56-2601H                     | V56-2602H                   | V56-2603H                  |
|                     | 15          | V56-2601J                     | V56-2602J                   |                            |
| 1250                | 5           | V56-2701F                     | V56-2702F                   | V56-2703F                  |
|                     | 10          | V56-2701H                     | V56-2702H                   | V56-2703H                  |
|                     | 15          | V56-2701J                     | V56-2702J                   | V56-2703J                  |
| 1500                | 5           | V56-2801F                     | V56-2802F                   | V56-2803F                  |
|                     | 10          | V56-2801H                     | V56-2802H                   | V56-2803H                  |
|                     | 15          | V56-2801J                     | V56-2802J                   | V56-2803J                  |
| 1600                | 5           | V56-2901F                     | V56-2902F                   | V56-2903F                  |
|                     | 10          | V56-2901H                     | V56-2902H                   | V56-2903H                  |
|                     | 15          | V56-2901J                     | V56-2902J                   | V56-2903J                  |
| 2000                | 5           | V56-3001F                     | V56-3002F                   | V56-3003F                  |
|                     | 10          | V56-3001H                     | V56-3002H                   | V56-3003H                  |
|                     | 15          | V56-3001J                     | V56-3002J                   | V56-3003J                  |
|                     | 30          | V56-3001L                     | V56-3002L                   |                            |
| 2500                | 5           | V56-3201F                     | V56-3202F                   | V56-3203F                  |
|                     | 10          | V56-3201H                     | V56-3202H                   | V56-3203H                  |
|                     | 15          | V56-3201J                     | V56-3202J                   | V56-3203J                  |
|                     | 30          | V56-3201L                     | V56-3202L                   |                            |
| 3000                | 5           | V56-3301F                     | V56-3302F                   | V56-3303F                  |
|                     | 10          | V56-3301H                     | V56-3302H                   | V56-3303H                  |
|                     | 15          | V56-3301J                     | V56-3302J                   | V56-3303J                  |
|                     | 30          | V56-3301L                     | V56-3302L                   |                            |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | -        |
|  | Sealed shutter, type A | 59040    |

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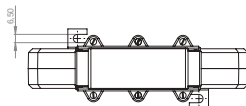
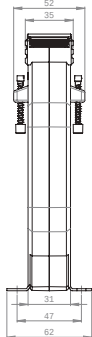
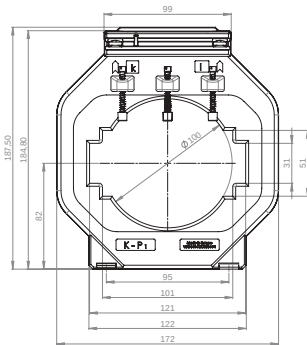
Telefon: +49 7976 9851-0 - Telefax: +49 7976 9851-90  
E-Mail: info@mbs-ag.com - Web: www.mbs-ag.com

## EASK 123.3

Plug-in current transformer - Tariff applications



Bus bar 1            120 x 30 mm  
 Bus bar 2            3 x 100 x 10 mm  
 Round conductor    100 mm  
 Transformer width   172 mm  
 Height                187,5 mm  
 Depth                 52 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|
|                     |             | 1 A<br>Cl. 0,5<br>Art.-no.    | 1 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 750                 | 2,5         | V56-2311D                     | V56-2312D                   |                            |
|                     | 5           | V56-2311F                     | V56-2312F                   |                            |
|                     | 10          | V56-2311H                     | V56-2312H                   |                            |
| 1000                | 2,5         | V56-2511D                     | V56-2512D                   | V56-2513D                  |
|                     | 5           | V56-2511F                     | V56-2512F                   | V56-2513F                  |
|                     | 10          | V56-2511H                     | V56-2512H                   |                            |
| 1200                | 5           | V56-2611F                     | V56-2612F                   | V56-2613F                  |
|                     | 10          | V56-2611H                     | V56-2612H                   | V56-2613H                  |
|                     | 15          | V56-2611J                     | V56-2612J                   |                            |
| 1250                | 5           | V56-2711F                     | V56-2712F                   | V56-2713F                  |
|                     | 10          | V56-2711H                     | V56-2712H                   | V56-2713H                  |
|                     | 15          | V56-2711J                     | V56-2712J                   | V56-2713J                  |
| 1500                | 5           | V56-2811F                     | V56-2812F                   | V56-2813F                  |
|                     | 10          | V56-2811H                     | V56-2812H                   | V56-2813H                  |
|                     | 15          | V56-2811J                     | V56-2812J                   | V56-2813J                  |
|                     | 30          | V56-2811L                     | V56-2812L                   |                            |
| 1600                | 5           | V56-2911F                     | V56-2912F                   | V56-2913F                  |
|                     | 10          | V56-2911H                     | V56-2912H                   | V56-2913H                  |
|                     | 15          | V56-2911J                     | V56-2912J                   | V56-2913J                  |
|                     | 30          | V56-2911L                     | V56-2912L                   |                            |
| 2000                | 5           | V56-3011F                     | V56-3012F                   | V56-3013F                  |
|                     | 10          | V56-3011H                     | V56-3012H                   | V56-3013H                  |
|                     | 15          | V56-3011J                     | V56-3012J                   | V56-3013J                  |
|                     | 30          | V56-3011L                     | V56-3012L                   |                            |
| 2500                | 5           | V56-3211F                     | V56-3212F                   | V56-3213F                  |
|                     | 10          | V56-3211H                     | V56-3212H                   | V56-3213H                  |
|                     | 15          | V56-3211J                     | V56-3212J                   | V56-3213J                  |
|                     | 30          | V56-3211L                     | V56-3212L                   |                            |

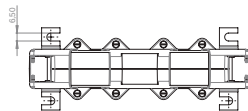
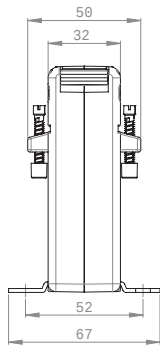
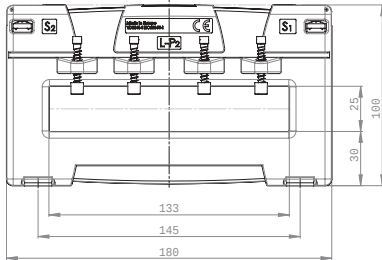
|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting</b>       | -            |
|  | <b>Sealed shutter, type A</b> | <b>59040</b> |

## EASK 130.3

### Plug-in current transformer - Tariff applications



Bus bar 1                    130 x 25 mm  
 Transformer width        180 mm  
 Height                        100 mm  
 Depth                        50 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 300                 | 2,5         | V50-1901D                     | V50-1902D                   |                            | V50-1911D                  |                            |
|                     | 5           | V50-1901F                     |                             |                            | V50-1911F                  |                            |
| 400                 | 2,5         | V50-2001D                     | V50-2002D                   | V50-2003D                  | V50-2011D                  | V50-2013D                  |
|                     | 5           | V50-2001F                     | V50-2002F                   |                            | V50-2011F                  |                            |
| 500                 | 2,5         | V50-2101D                     | V50-2102D                   | V50-2103D                  | V50-2111D                  | V50-2113D                  |
|                     | 5           | V50-2101F                     | V50-2102F                   |                            | V50-2111F                  |                            |
| 600                 | 2,5         | V50-2201D                     | V50-2202D                   | V50-2203D                  | V50-2211D                  | V50-2213D                  |
|                     | 5           | V50-2201F                     | V50-2202F                   | V50-2203F                  | V50-2211F                  | V50-2213F                  |
|                     | 10          | V50-2201H                     |                             |                            | V50-2211H                  |                            |
| 750                 | 2,5         | V50-2301D                     | V50-2302D                   | V50-2303D                  | V50-2311D                  | V50-2313D                  |
|                     | 5           | V50-2301F                     | V50-2302F                   | V50-2303F                  | V50-2311F                  | V50-2313F                  |
|                     | 10          | V50-2301H                     | V50-2302H                   |                            | V50-2311H                  |                            |
|                     | 15          | V50-2301J                     |                             |                            | V50-2311J                  |                            |
| 1000                | 5           | V50-2501F                     | V50-2502F                   | V50-2503F                  | V50-2511F                  | V50-2513F                  |
|                     | 10          | V50-2501H                     | V50-2502H                   |                            | V50-2511H                  |                            |
|                     | 15          | V50-2501J                     | V50-2502J                   |                            | V50-2511J                  |                            |
| 1200                | 5           | V50-2601F                     | V50-2602F                   | V50-2603F                  | V50-2611F                  | V50-2613F                  |
|                     | 10          | V50-2601H                     | V50-2602H                   | V50-2603H                  | V50-2611H                  | V50-2613H                  |
|                     | 15          | V50-2601J                     | V50-2602J                   |                            | V50-2611J                  |                            |
| 1250                | 5           | V50-2701F                     | V50-2702F                   | V50-2703F                  | V50-2711F                  | V50-2713F                  |
|                     | 10          | V50-2701H                     | V50-2702H                   | V50-2703H                  | V50-2711H                  | V50-2713H                  |
|                     | 15          | V50-2701J                     | V50-2702J                   | V50-2703J                  | V50-2711J                  | V50-2713J                  |
| 1500                | 5           | V50-2801F                     | V50-2802F                   | V50-2803F                  | V50-2811F                  | V50-2813F                  |
|                     | 10          | V50-2801H                     | V50-2802H                   | V50-2803H                  | V50-2811H                  | V50-2813H                  |
|                     | 15          | V50-2801J                     | V50-2802J                   | V50-2803J                  | V50-2811J                  | V50-2813J                  |
|                     | 30          | V50-2801L                     | V50-2802L                   |                            | V50-2811L                  |                            |
| 1600                | 5           | V50-2901F                     | V50-2902F                   | V50-2903F                  | V50-2911F                  | V50-2913F                  |
|                     | 10          | V50-2901H                     | V50-2902H                   | V50-2903H                  | V50-2911H                  | V50-2913H                  |
|                     | 15          | V50-2901J                     | V50-2902J                   | V50-2903J                  | V50-2911J                  | V50-2913J                  |
|                     | 30          | V50-2901L                     | V50-2902L                   |                            | V50-2911L                  |                            |

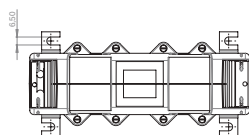
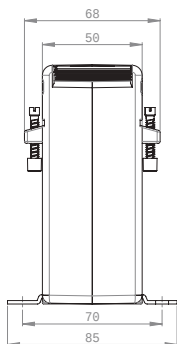
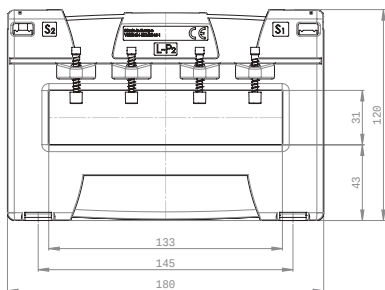
|  |                         | Art.-no. |
|--|-------------------------|----------|
|  | <b>Snap-on mounting</b> | –        |
|  | <b>Sealed shutter</b>   | –        |

# EASK 130.5

## Plug-in current transformer - Tariff applications



Bus bar 1            130 x 30 mm  
 Transformer width    180 mm  
 Height                120 mm  
 Depth                 68 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 300                 | 2,5         | V51-1901D                     | V51-1902D                   |                            | V51-1911D                  |                            |
|                     | 5           | V51-1901F                     | V51-1902F                   |                            | V51-1911F                  |                            |
|                     | 10          | V51-1901H                     |                             |                            | V51-1911H                  |                            |
| 400                 | 2,5         | V51-2001D                     | V51-2002D                   | V51-2003D                  | V51-2011D                  | V51-2013D                  |
|                     | 5           | V51-2001F                     | V51-2002F                   |                            | V51-2011F                  |                            |
|                     | 10          | V51-2001H                     |                             |                            | V51-2011H                  |                            |
| 500                 | 2,5         | V51-2101D                     | V51-2102D                   | V51-2103D                  | V51-2111D                  | V51-2113D                  |
|                     | 5           | V51-2101F                     | V51-2102F                   | V51-2103F                  | V51-2111F                  | V51-2113F                  |
|                     | 10          | V51-2101H                     | V51-2102H                   |                            | V51-2111H                  |                            |
| 600                 | 2,5         | V51-2201D                     | V51-2202D                   | V51-2203D                  | V51-2211D                  | V51-2213D                  |
|                     | 5           | V51-2201F                     | V51-2202F                   | V51-2203F                  | V51-2211F                  | V51-2213F                  |
|                     | 10          | V51-2201H                     | V51-2202H                   |                            | V51-2211H                  |                            |
| 750                 | 2,5         | V51-2301D                     | V51-2302D                   |                            | V51-2311D                  | V51-2313D                  |
|                     | 5           | V51-2301F                     | V51-2302F                   | V51-2303F                  | V51-2311F                  | V51-2313F                  |
|                     | 10          | V51-2301H                     | V51-2302H                   | V51-2303H                  | V51-2311H                  | V51-2313H                  |
|                     | 15          | V51-2301J                     | V51-2302J                   |                            | V51-2311J                  |                            |
| 1000                | 5           | V51-2501F                     | V51-2502F                   | V51-2503F                  | V51-2511F                  | V51-2513F                  |
|                     | 10          | V51-2501H                     | V51-2502H                   | V51-2503H                  | V51-2511H                  | V51-2513H                  |
|                     | 15          | V51-2501J                     | V51-2502J                   | V51-2503J                  | V51-2511J                  | V51-2513J                  |
|                     | 30          | V51-2501L                     | V51-2502L                   |                            | V51-2511L                  |                            |
| 1200                | 5           | V51-2601F                     | V51-2602F                   | V51-2603F                  | V51-2611F                  | V51-2613F                  |
|                     | 10          | V51-2601H                     | V51-2602H                   | V51-2603H                  | V51-2611H                  | V51-2613H                  |
|                     | 15          | V51-2601J                     | V51-2602J                   | V51-2603J                  | V51-2611J                  | V51-2613J                  |
|                     | 30          | V51-2601L                     | V51-2602L                   |                            | V51-2611L                  |                            |
| 1250                | 5           | V51-2701F                     | V51-2702F                   | V51-2703F                  | V51-2711F                  | V51-2713F                  |
|                     | 10          | V51-2701H                     | V51-2702H                   | V51-2703H                  | V51-2711H                  | V51-2713H                  |
|                     | 15          | V51-2701J                     | V51-2702J                   | V51-2703J                  | V51-2711J                  | V51-2713J                  |
|                     | 30          | V51-2701L                     | V51-2702L                   |                            | V51-2711L                  |                            |
| 1500                | 5           | V51-2801F                     | V51-2802F                   | V51-2803F                  | V51-2811F                  | V51-2813F                  |
|                     | 10          | V51-2801H                     | V51-2802H                   | V51-2803H                  | V51-2811H                  | V51-2813H                  |
|                     | 15          | V51-2801J                     | V51-2802J                   | V51-2803J                  | V51-2811J                  | V51-2813J                  |
|                     | 30          | V51-2801L                     | V51-2802L                   |                            | V51-2811L                  |                            |
| 1600                | 10          | V51-2901H                     | V51-2902H                   | V51-2903H                  | V51-2911H                  | V51-2913H                  |
|                     | 15          | V51-2901J                     | V51-2902J                   | V51-2903J                  | V51-2911J                  | V51-2913J                  |
|                     | 30          | V51-2901L                     | V51-2902L                   |                            | V51-2911L                  |                            |
| 2000                | 10          | V51-3001H                     | V51-3002H                   | V51-3003H                  | V51-3011H                  | V51-3013H                  |
|                     | 15          | V51-3001J                     | V51-3002J                   | V51-3003J                  | V51-3011J                  | V51-3013J                  |
|                     | 30          | V51-3001L                     | V51-3002L                   | V51-3003L                  | V51-3011L                  | V51-3013L                  |
| 2400                | 10          | V51-3101H                     | V51-3102H                   | V51-3103H                  | V51-3111H                  | V51-3113H                  |
|                     | 15          | V51-3101J                     | V51-3102J                   | V51-3103J                  | V51-3111J                  | V51-3113J                  |
|                     | 30          | V51-3101L                     | V51-3102L                   | V51-3103L                  | V51-3111L                  | V51-3113L                  |
| 2500                | 10          | V51-3201H                     | V51-3202H                   | V51-3203H                  | V51-3211H                  | V51-3213H                  |
|                     | 15          | V51-3201J                     | V51-3202J                   | V51-3203J                  | V51-3211J                  | V51-3213J                  |
|                     | 30          | V51-3201L                     | V51-3202L                   | V51-3203L                  | V51-3211L                  | V51-3213L                  |
| 3000                | 10          | V51-3301H                     | V51-3302H                   | V51-3303H                  | V51-3311H                  | V51-3313H                  |
|                     | 15          | V51-3301J                     | V51-3302J                   | V51-3303J                  | V51-3311J                  | V51-3313J                  |
|                     | 30          | V51-3301L                     | V51-3302L                   | V51-3303L                  | V51-3311L                  | V51-3313L                  |

## **Low-voltage current transformers for industrial applications with screwless connection technology**

### **Plug-in current transformer with „Cage Clamp®“, UL certificated**

|                    |                                                                                                         |                               |           |
|--------------------|---------------------------------------------------------------------------------------------------------|-------------------------------|-----------|
| <b>ECTB 31.35</b>  | Bus bar 1: 30 x 10 mm<br>Bus bar 2: 25 x 12 mm<br>Round conductor: 25,7 mm<br>Transformer width: 60 mm  | Current range: 100 ... 750 A  | Page: 221 |
| <b>ECTB 41.35</b>  | Bus bar 1: 40 x 10 mm<br>Bus bar 2: 30 x 15 mm<br>Round conductor: 31,8 mm<br>Transformer width: 70 mm  | Current range: 200 ... 750 A  | Page: 222 |
| <b>ECTB 51.35</b>  | Bus bar 1: 50 x 12 mm<br>Bus bar 2: 40 x 30 mm<br>Round conductor: 43,7 mm<br>Transformer width: 85 mm  | Current range: 100 ... 1000 A | Page: 223 |
| <b>ECTB 61.35</b>  | Bus bar 1: 63 x 10 mm<br>Bus bar 2: 50 x 30 mm<br>Round conductor: 43,7 mm<br>Transformer width: 95 mm  | Current range: 200 ... 1500 A | Page: 224 |
| <b>ECTB 81.35</b>  | Bus bar 1: 80 x 10 mm<br>Bus bar 2: 60 x 30 mm<br>Round conductor: 54,7 mm<br>Transformer width: 120 mm | Current range: 400 ... 2000 A | Page: 225 |
| <b>ECTB 101.35</b> | Bus bar 1: 100 x 10 mm<br>Bus bar 2: 80 x 30 mm<br>Round conductor: 70 mm<br>Transformer width: 130 mm  | Current range: 400 ... 2000 A | Page: 226 |

Type „E“ denotes that the current transformers are suitable for tariff applications

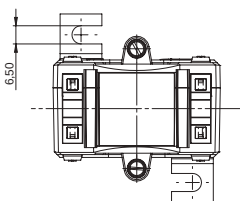
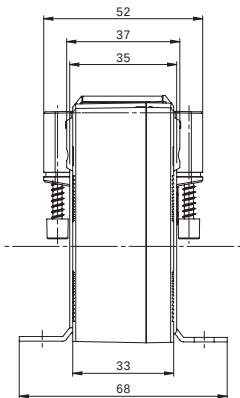
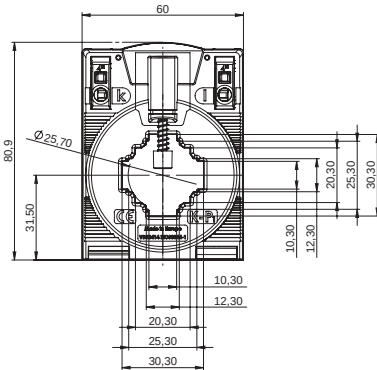


## ECTB 31.35

Plug-in current transformer - Tariff applications



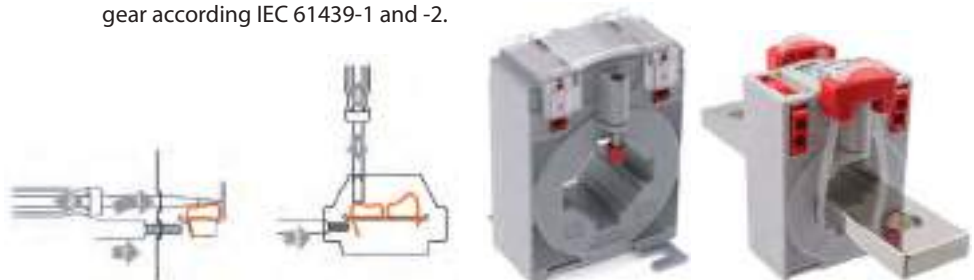
|                   |            |
|-------------------|------------|
| Bus bar 1         | 30 x 10 mm |
| Bus bar 2         | 25 x 12 mm |
| Bus bar 3         | 20 x 20 mm |
| Round conductor   | 25,7 mm    |
| Transformer width | 60 mm      |
| Height            | 80,9 mm    |
| Depth             | 52 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |                            |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,2s<br>Art.-no. |
| 100                 | 1,5         | 50-5001                       | 50-5024                     | 50-5046                    |                             | 50-7001                    | 50-7024                     | 50-7046                    |                             |
|                     | 2,5         | 50-5002                       | 50-5025                     |                            |                             | 50-7002                    | 50-7025                     |                            |                             |
| 125                 | 1           | 50-5003                       | 50-5026                     | 50-5047                    | 50-5063                     | 50-7003                    | 50-7026                     | 50-7047                    | 50-7061                     |
|                     | 1,5         | 50-5004                       | 50-5027                     | 50-5048                    | 50-5064                     | 50-7004                    | 50-7027                     | 50-7048                    |                             |
|                     | 2,5         | 50-5005                       | 50-5028                     |                            |                             | 50-7005                    | 50-7028                     |                            |                             |
| 150                 | 1,5         | 50-5006                       | 50-5029                     | 50-5049                    | 50-5065                     | 50-7006                    | 50-7029                     | 50-7049                    | 50-7062                     |
|                     | 2,5         | 50-5007                       | 50-5030                     |                            |                             | 50-7007                    | 50-7030                     |                            |                             |
| 200                 | 1,5         | 50-5008                       | 50-5031                     | 50-5050                    | 50-5066                     | 50-7008                    | 50-7031                     | 50-7050                    | 50-7063                     |
|                     | 2,5         | 50-5009                       | 50-5032                     | 50-5051                    |                             | 50-7009                    | 50-7032                     | 50-7051                    | 50-7064                     |
|                     | 5           | 50-5010                       | 50-5033                     |                            |                             | 50-7010                    | 50-7033                     |                            |                             |
| 250                 | 2,5         | 50-5011                       | 50-5034                     | 50-5052                    | 50-5067                     | 50-7011                    | 50-7034                     | 50-7052                    | 50-7065                     |
|                     | 5           | 50-5012                       | 50-5035                     | 50-5053                    |                             | 50-7012                    | 50-7035                     |                            |                             |
| 300                 | 2,5         | 50-5013                       | 50-5036                     | 50-5054                    | 50-5068                     | 50-7013                    | 50-7036                     | 50-7053                    | 50-7066                     |
|                     | 5           | 50-5014                       | 50-5037                     | 50-5055                    | 50-5069                     | 50-7014                    | 50-7037                     | 50-7054                    |                             |
| 400                 | 5           | 50-5015                       | 50-5038                     | 50-5056                    | 50-5070                     | 50-7015                    | 50-7038                     | 50-7055                    | 50-7067                     |
|                     | 10          | 50-5016                       |                             |                            |                             | 50-7016                    |                             |                            |                             |
| 500                 | 2,5         | 50-5017                       | 50-5039                     | 50-5057                    | 50-5071                     | 50-7017                    | 50-7039                     | 50-7056                    | 50-7068                     |
|                     | 2           | 50-5018                       | 50-5040                     | 50-5058                    | 50-5072                     | 50-7018                    | 50-7040                     | 50-7057                    |                             |
|                     | 10          | 50-5019                       | 50-5041                     |                            |                             | 50-7019                    | 50-7041                     |                            |                             |
| 600                 | 5           | 50-5020                       | 50-5042                     | 50-5059                    | 50-5073                     | 50-7020                    | 50-7042                     | 50-7058                    | 50-7069                     |
|                     | 10          | 50-5021                       | 50-5043                     | 50-5060                    |                             | 50-7021                    | 50-7043                     |                            |                             |
| 750                 | 5           | 50-5022                       | 50-5044                     | 50-5061                    | 50-5074                     | 50-7022                    | 50-7044                     | 50-7059                    | 50-7070                     |
|                     | 10          | 50-5023                       | 50-5045                     | 50-5062                    | 50-5075                     | 50-7023                    | 50-7045                     | 50-7060                    | 50-7071                     |

|  | Art.-no.                                      |
|--|-----------------------------------------------|
|  | <b>Snap-on mounting CTB</b><br><b>55015</b>   |
|  | <b>Quick-Fix</b><br><b>55021</b>              |
|  | <b>Sealed shutter, type G</b><br><b>59057</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



**MBS AG**

Eisbachstraße 51 - 74429 Sulzbach-Laufen  
Germany

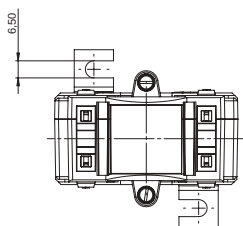
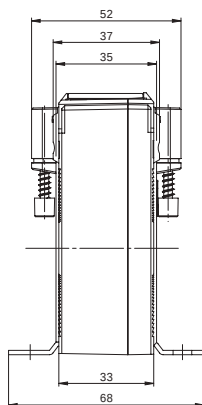
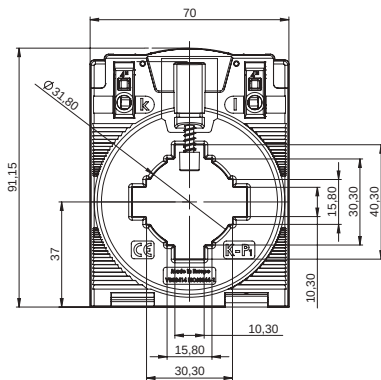
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## ECTB 41.35

Plug-in current transformer - Tariff applications



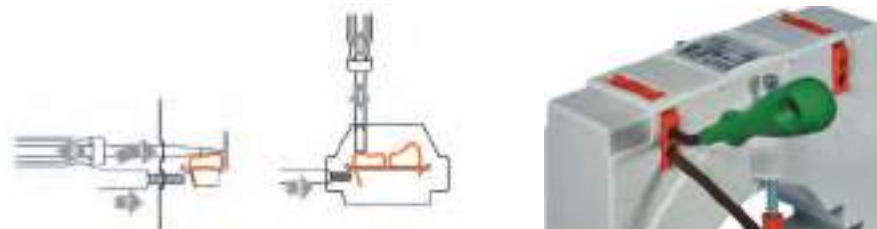
|                   |            |
|-------------------|------------|
| Bus bar 1         | 40 x 10 mm |
| Bus bar 2         | 30 x 15 mm |
| Round conductor   | 31,8 mm    |
| Transformer width | 70 mm      |
| Height            | 91,15 mm   |
| Depth             | 52 mm      |



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |                            |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,2s<br>Art.-no. |
| 200                 | 1,5         | 50-5101                       | 50-5116                     |                            |                             | 50-7101                    | 50-7115                     |                            |                             |
|                     | 2,5         | 50-5102                       |                             |                            |                             | 50-7102                    |                             |                            |                             |
| 250                 | 2,5         | 50-5103                       | 50-5117                     |                            |                             | 50-7103                    | 50-7116                     |                            |                             |
|                     | 2,5         | 50-5104                       | 50-5118                     |                            |                             | 50-7104                    | 50-7117                     |                            |                             |
| 300                 | 2,5         | 50-5104                       | 50-5118                     |                            |                             | 50-7104                    | 50-7117                     |                            |                             |
|                     | 5           | 50-5105                       |                             |                            |                             | 50-7105                    |                             |                            |                             |
| 400                 | 5           | 50-5106                       | 50-5119                     |                            |                             | 50-7106                    | 50-7118                     |                            |                             |
|                     | 2,5         | 50-5107                       | 50-5120                     | 50-5128                    |                             | 50-7107                    | 50-7119                     | 50-7126                    |                             |
| 500                 | 5           | 50-5108                       | 50-5121                     |                            |                             | 50-7108                    | 50-7120                     |                            |                             |
|                     | 10          | 50-5109                       |                             |                            |                             | 50-7109                    |                             |                            |                             |
| 600                 | 2,5         | 50-5110                       | 50-5122                     | 50-5129                    | 50-5134                     | 50-7110                    | 50-7121                     | 50-7127                    |                             |
|                     | 5           | 50-5111                       | 50-5123                     | 50-5130                    |                             | 50-7111                    | 50-7122                     | 50-7128                    |                             |
| 600                 | 10          | 50-5112                       | 50-5124                     |                            |                             | 50-7112                    | 50-7123                     |                            |                             |
| 750                 | 2,5         | 50-5113                       | 50-5125                     | 50-5131                    | 50-5135                     | 50-7113                    | 50-7124                     | 50-7129                    |                             |
|                     | 5           | 50-5114                       | 50-5126                     | 50-5132                    | 50-5136                     | 50-7114                    | 50-7125                     |                            |                             |
| 750                 | 10          | 50-5115                       | 50-5127                     | 50-5133                    |                             |                            |                             |                            |                             |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Snap-on mounting CTB</b>   | <b>55015</b> |
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type G</b> | <b>59057</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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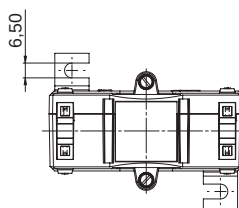
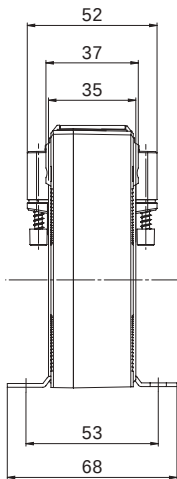
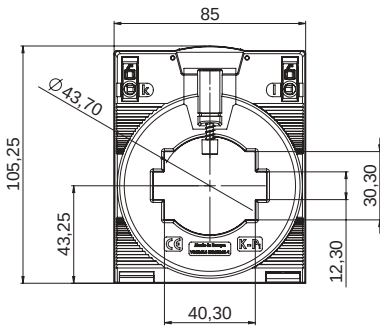
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## ECTB 51.35

Plug-in current transformer - Tariff applications



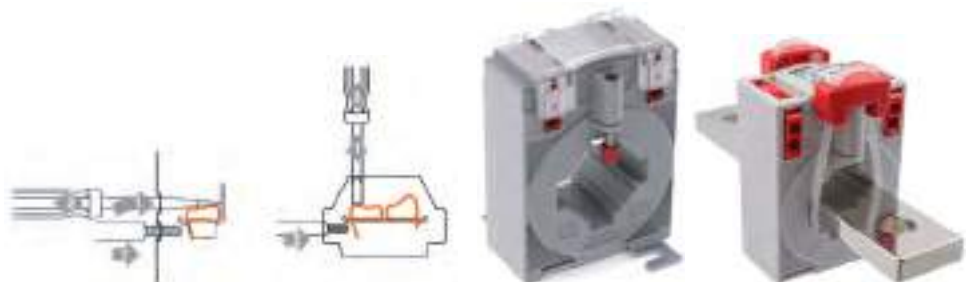
Bus bar 1            50 x 12 mm  
 Bus bar 2            40 x 30 mm  
 Round conductor    43,7 mm  
 Transformer width   85 mm  
 Height                105,25 mm  
 Depth                 52 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |                            |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5S<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 5 A<br>Cl. 0,2S<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5S<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,2S<br>Art.-no. |
| 100                 | 1,5         | 50-5201                       | 50-5223                     |                            |                             | 50-7201                    | 50-7224                     |                            |                             |
| 125                 | 1,5         | 50-5202                       | 50-5224                     |                            |                             | 50-7202                    | 50-7225                     |                            |                             |
| 150                 | 2,5         | 50-5203                       | 50-5225                     |                            |                             | 50-7203                    | 50-7226                     |                            |                             |
| 200                 | 1,5         | 50-5204                       | 50-5226                     | 50-5244                    |                             | 50-7204                    | 50-7227                     | 50-7246                    |                             |
|                     | 2,5         | 50-5205                       | 50-5227                     |                            |                             | 50-7205                    | 50-7228                     | 50-7247                    |                             |
| 250                 | 1,5         | 50-5206                       | 50-5228                     | 50-5245                    | 50-5258                     | 50-7206                    | 50-7229                     | 50-7248                    | 50-7260                     |
|                     | 2,5         | 50-5207                       | 50-5229                     | 50-5246                    |                             | 50-7207                    | 50-7230                     | 50-7249                    |                             |
|                     | 5           |                               |                             |                            |                             | 50-7208                    | 50-7231                     |                            |                             |
| 300                 | 2,5         | 50-5208                       | 50-5230                     | 50-5247                    | 50-5259                     | 50-7209                    | 50-7232                     | 50-7250                    | 50-7261                     |
|                     | 5           | 50-5209                       | 50-5231                     | 50-5248                    |                             | 50-7210                    | 50-7233                     | 50-7251                    |                             |
| 400                 | 2,5         | 50-5210                       | 50-5232                     | 50-5249                    | 50-5260                     | 50-7211                    | 50-7234                     | 50-7252                    | 50-7262                     |
|                     | 5           | 50-5211                       | 50-5233                     | 50-5250                    |                             | 50-7212                    | 50-7235                     |                            |                             |
| 500                 | 2,5         | 50-5212                       | 50-5234                     | 50-5251                    | 50-5261                     | 50-7213                    | 50-7236                     | 50-7253                    | 50-7263                     |
|                     | 5           | 50-5213                       | 50-5235                     | 50-5252                    | 50-5262                     | 50-7214                    | 50-7237                     | 50-7254                    | 50-7264                     |
|                     | 10          | 50-5214                       |                             |                            |                             | 50-7215                    |                             |                            |                             |
| 600                 | 2,5         | 50-5215                       | 50-5236                     | 50-5253                    | 50-5263                     | 50-7216                    | 50-7238                     | 50-7255                    | 50-7265                     |
|                     | 5           | 50-5216                       | 50-5237                     | 50-5254                    | 50-5264                     | 50-7217                    | 50-7239                     | 50-7256                    |                             |
|                     | 10          | 50-5217                       | 50-5238                     |                            |                             | 50-7218                    | 50-7240                     |                            |                             |
| 750                 | 2,5         | 50-5218                       | 50-5239                     | 50-5255                    | 50-5265                     | 50-7219                    | 50-7241                     | 50-7257                    | 50-7266                     |
|                     | 5           | 50-5219                       | 50-5240                     | 50-5256                    | 50-5266                     | 50-7220                    | 50-7242                     | 50-7258                    |                             |
|                     | 10          | 50-5220                       | 50-5241                     |                            |                             | 50-7221                    | 50-7243                     |                            |                             |
| 1000                | 5           | 50-5221                       | 50-5242                     | 50-5257                    | 50-5267                     | 50-7222                    | 50-7244                     | 50-7259                    | 50-7267                     |
|                     | 10          | 50-5222                       | 50-5243                     |                            |                             | 50-7223                    | 50-7245                     |                            |                             |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type H</b> | <b>59058</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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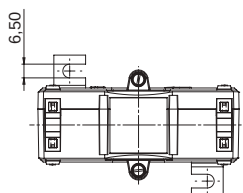
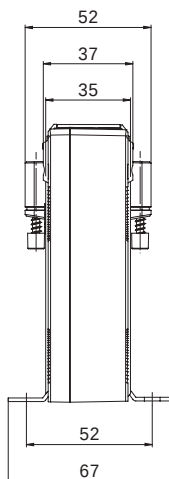
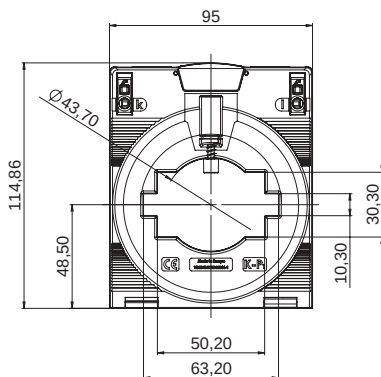
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## ECTB 61.35

Plug-in current transformer - Tariff applications



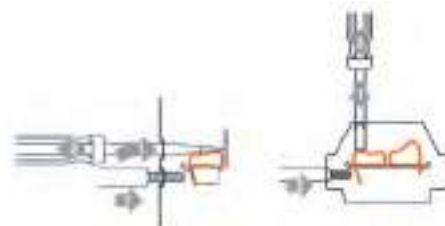
Bus bar 1            63 x 10 mm  
 Bus bar 2            50 x 30 mm  
 Round conductor    43,7 mm  
 Transformer width   95 mm  
 Height                114,86 mm  
 Depth                 52 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |                            |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,2s<br>Art.-no. |
| 200                 | 1,5         | 50-5301                       | 50-5326                     | 50-5350                    |                             | 50-7301                    | 50-7326                     | 50-7351                    |                             |
|                     | 2,5         | 50-5302                       | 50-5327                     | 50-5351                    |                             | 50-7302                    | 50-7327                     | 50-7352                    |                             |
| 250                 | 1,5         | 50-5303                       | 50-5328                     | 50-5352                    |                             | 50-7303                    | 50-7328                     | 50-7353                    | 50-7373                     |
|                     | 2,5         | 50-5304                       | 50-5329                     | 50-5353                    |                             | 50-7304                    | 50-7329                     | 50-7354                    |                             |
|                     | 5           | 50-5305                       | 50-5330                     |                            |                             | 50-7305                    | 50-7330                     |                            |                             |
| 300                 | 2,5         | 50-5306                       | 50-5331                     | 50-5354                    | 50-5365                     | 50-7306                    | 50-7331                     | 50-7355                    | 50-7374                     |
|                     | 5           | 50-5307                       | 50-5332                     | 50-5355                    |                             | 50-7307                    | 50-7332                     | 50-7356                    |                             |
| 400                 | 2,5         | 50-5308                       | 50-5333                     | 50-5356                    | 50-5366                     | 50-7308                    | 50-7333                     | 50-7357                    | 50-7375                     |
|                     | 5           | 50-5309                       | 50-5334                     | 50-5357                    |                             | 50-7309                    | 50-7334                     | 50-7358                    |                             |
| 500                 | 2,5         | 50-5310                       | 50-5335                     | 50-5358                    | 50-5367                     | 50-7310                    | 50-7335                     | 50-7359                    | 50-7376                     |
|                     | 5           | 50-5311                       | 50-5336                     | 50-5359                    | 50-5368                     | 50-7311                    | 50-7336                     | 50-7360                    | 50-7377                     |
| 600                 | 2,5         | 50-5312                       | 50-5337                     | 50-5360                    | 50-5369                     | 50-7312                    | 50-7337                     | 50-7361                    | 50-7378                     |
|                     | 5           | 50-5313                       | 50-5338                     | 50-5361                    | 50-5370                     | 50-7313                    | 50-7338                     | 50-7362                    | 50-7379                     |
| 750                 | 5           | 50-5314                       | 50-5339                     | 50-5362                    | 50-5371                     | 50-7314                    | 50-7339                     | 50-7363                    | 50-7380                     |
|                     | 10          | 50-5315                       | 50-5340                     |                            |                             | 50-7315                    | 50-7340                     |                            |                             |
| 800                 | 5           | 50-5316                       | 50-5341                     | 50-5363                    |                             | 50-7316                    | 50-7341                     | 50-7364                    |                             |
|                     | 10          | 50-5317                       |                             |                            |                             | 50-7317                    | 50-7342                     |                            |                             |
| 1000                | 5           | 50-5318                       | 50-5342                     | 50-5364                    |                             | 50-7318                    | 50-7343                     | 50-7365                    |                             |
|                     | 10          | 50-5319                       | 50-5343                     |                            |                             | 50-7319                    | 50-7344                     | 50-7366                    |                             |
| 1200                | 5           | 50-5320                       | 50-5344                     |                            |                             | 50-7320                    | 50-7345                     | 50-7367                    |                             |
|                     | 10          | 50-5321                       | 50-5345                     |                            |                             | 50-7321                    | 50-7346                     | 50-7368                    |                             |
| 1250                | 5           | 50-5322                       | 50-5346                     |                            |                             | 50-7322                    | 50-7347                     | 50-7369                    |                             |
|                     | 10          | 50-5323                       | 50-5347                     |                            |                             | 50-7323                    | 50-7348                     | 50-7370                    |                             |
| 1500                | 5           | 50-5324                       | 50-5348                     |                            |                             | 50-7324                    | 50-7349                     | 50-7371                    |                             |
|                     | 10          | 50-5325                       | 50-5349                     |                            |                             | 50-7325                    | 50-7350                     | 50-7372                    |                             |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type J</b> | <b>59059</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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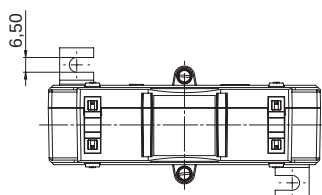
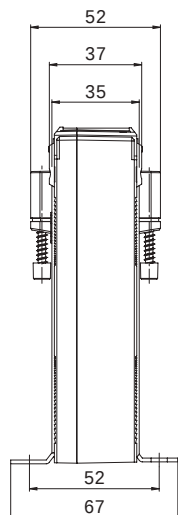
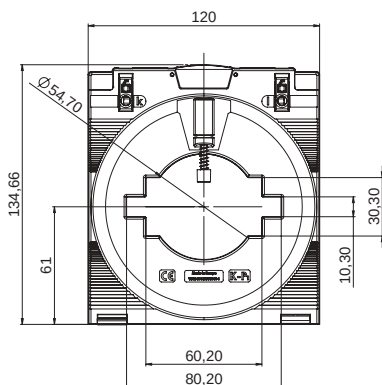
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## ECTB 81.35

Plug-in current transformer - Tariff applications



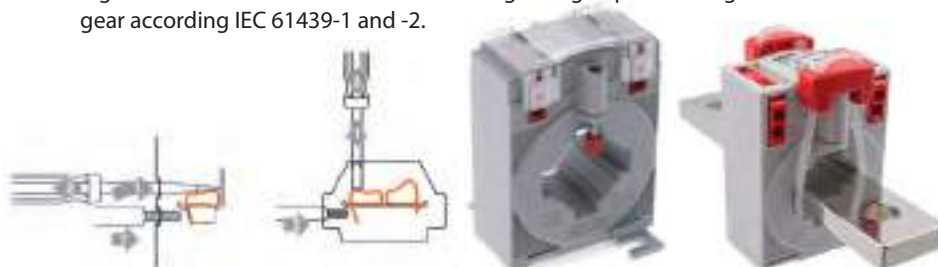
Bus bar 1 80 x 10 mm  
 Bus bar 2 60 x 30 mm  
 Round conductor 54,7 mm  
 Transformer width 120 mm  
 Height 134,66 mm  
 Depth 52 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                       |                      |                       |                      |                       |                      |                       |
|---------------------|-------------|-------------------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|----------------------|-----------------------|
|                     |             | 5 A Cl. 0,5 Art.-no.          | 5 A Cl. 0,5s Art.-no. | 5 A Cl. 0,2 Art.-no. | 5 A Cl. 0,2s Art.-no. | 1 A Cl. 0,5 Art.-no. | 1 A Cl. 0,5s Art.-no. | 1 A Cl. 0,2 Art.-no. | 1 A Cl. 0,2s Art.-no. |
| 400                 | 2,5         | 50-5401                       | 50-5430               | 50-5457              |                       | 50-7401              | 50-7430               | 50-7459              |                       |
| 500                 | 2,5         | 50-5402                       | 50-5431               | 50-5458              | 50-5482               | 50-7402              | 50-7431               | 50-7460              | 50-7484               |
|                     | 5           | 50-5403                       |                       |                      |                       | 50-7403              | 50-7432               |                      |                       |
| 600                 | 2,5         | 50-5404                       | 50-5432               | 50-5459              | 50-5483               | 50-7404              | 50-7433               | 50-7461              | 50-7485               |
|                     | 5           | 50-5405                       | 50-5433               | 50-5460              | 50-5484               | 50-7405              | 50-7434               | 50-7462              | 50-7486               |
| 750                 | 2,5         | 50-5406                       | 50-5434               | 50-5461              | 50-5485               | 50-7406              | 50-7435               | 50-7463              | 50-7487               |
|                     | 5           | 50-5407                       | 50-5435               | 50-5462              | 50-5486               | 50-7407              | 50-7436               | 50-7464              | 50-7488               |
|                     | 10          | 50-5408                       |                       |                      |                       | 50-7408              | 50-7437               |                      |                       |
| 800                 | 2,5         | 50-5409                       | 50-5436               | 50-5463              | 50-5487               | 50-7409              | 50-7438               | 50-7465              | 50-7489               |
|                     | 5           | 50-5410                       | 50-5437               | 50-5464              | 50-5488               | 50-7410              | 50-7439               | 50-7466              | 50-7490               |
|                     | 10          | 50-5411                       | 50-5438               |                      |                       | 50-7411              | 50-7440               |                      |                       |
| 1000                | 5           | 50-5412                       | 50-5439               | 50-5465              | 50-5489               | 50-7412              | 50-7441               | 50-7467              | 50-7491               |
|                     | 10          | 50-5413                       | 50-5440               | 50-5466              |                       | 50-7413              | 50-7442               | 50-7468              |                       |
|                     | 15          | 50-5414                       | 50-5441               |                      |                       | 50-7414              | 50-7443               |                      |                       |
| 1200                | 5           | 50-5415                       | 50-5442               | 50-5467              | 50-5490               | 50-7415              | 50-7444               | 50-7469              | 50-7492               |
|                     | 10          | 50-5416                       | 50-5443               | 50-5468              |                       | 50-7416              | 50-7445               | 50-7470              | 50-7493               |
|                     | 15          | 50-5417                       | 50-5444               | 50-5469              |                       | 50-7417              | 50-7446               | 50-7471              |                       |
| 1250                | 5           | 50-5418                       | 50-5445               | 50-5470              | 50-5491               | 50-7418              | 50-7447               | 50-7472              | 50-7494               |
|                     | 10          | 50-5419                       | 50-5446               | 50-5471              |                       | 50-7419              | 50-7448               | 50-7473              | 50-7495               |
|                     | 15          | 50-5420                       | 50-5447               | 50-5472              |                       | 50-7420              | 50-7449               | 50-7474              |                       |
| 1500                | 5           | 50-5421                       | 50-5448               | 50-5473              | 50-5492               | 50-7421              | 50-7450               | 50-7475              | 50-7496               |
|                     | 10          | 50-5422                       | 50-5449               | 50-5474              |                       | 50-7422              | 50-7451               | 50-7476              | 50-7497               |
|                     | 15          | 50-5423                       | 50-5450               | 50-5475              |                       | 50-7423              | 50-7452               | 50-7477              |                       |
| 1600                | 5           | 50-5424                       | 50-5451               | 50-5476              | 50-5493               | 50-7424              | 50-7453               | 50-7478              | 50-7498               |
|                     | 10          | 50-5425                       | 50-5452               | 50-5477              | 50-5494               | 50-7425              | 50-7454               | 50-7479              | 50-7499               |
|                     | 15          | 50-5426                       | 50-5453               | 50-5478              |                       | 50-7426              | 50-7455               | 50-7480              |                       |
| 2000                | 5           | 50-5427                       | 50-5454               | 50-5479              | 50-5495               | 50-7427              | 50-7456               | 50-7481              | 50-7500               |
|                     | 10          | 50-5428                       | 50-5455               | 50-5480              | 50-5496               | 50-7428              | 50-7457               | 50-7482              | 50-7501               |
|                     | 15          | 50-5429                       | 50-5456               | 50-5481              |                       | 50-7429              | 50-7458               | 50-7483              |                       |

|  | Art.-no.                                      |
|--|-----------------------------------------------|
|  | <b>Quick-Fix</b><br><b>55021</b>              |
|  | <b>Sealed shutter, type J</b><br><b>59059</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant; high current carrying capacity; maintenance free gas-tight connection
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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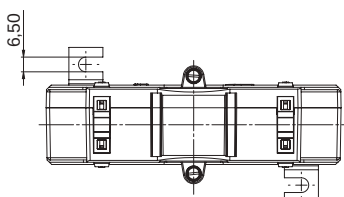
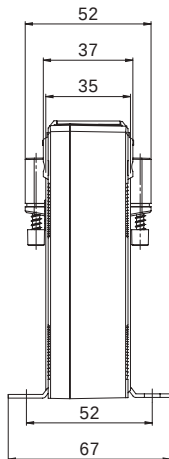
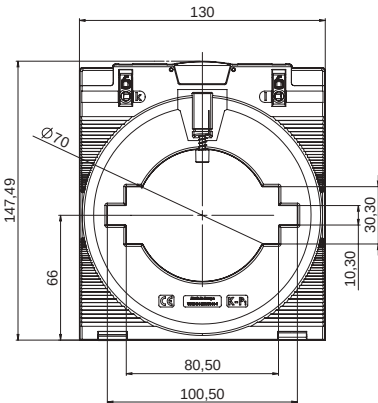


## ECTB 101.35

Plug-in current transformer - Tariff applications



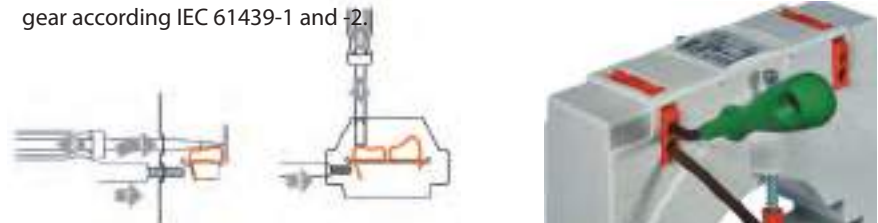
Bus bar 1            100 x 10 mm  
 Bus bar 2            80 x 30 mm  
 Round conductor    70 mm  
 Transformer width   130 mm  
 Height                147,49 mm  
 Depth                 52 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                             |                            |                             |                            |                             |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|----------------------------|-----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 5 A<br>Cl. 0,2s<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,5s<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,2s<br>Art.-no. |
| 400                 | 2,5         | 50-5601                       |                             |                            |                             | 50-7601                    |                             |                            |                             |
| 500                 | 2,5         | 50-5602                       |                             |                            |                             | 50-7602                    | 50-7629                     |                            |                             |
| 600                 | 2,5         | 50-5603                       | 50-5629                     |                            |                             | 50-7603                    | 50-7630                     |                            |                             |
|                     | 5           | 50-5604                       |                             |                            |                             | 50-7604                    | 50-7631                     |                            |                             |
| 750                 | 2,5         | 50-5605                       | 50-5630                     |                            |                             | 50-7605                    | 50-7632                     |                            |                             |
|                     | 5           | 50-5606                       | 50-5631                     |                            |                             | 50-7606                    | 50-7633                     |                            |                             |
|                     | 10          | 50-5607                       |                             |                            |                             | 50-7607                    | 50-7634                     |                            |                             |
| 800                 | 2,5         | 50-5608                       | 50-5632                     |                            |                             | 50-7608                    | 50-7635                     | 50-7656                    |                             |
|                     | 5           | 50-5609                       | 50-5633                     |                            |                             | 50-7609                    | 50-7636                     |                            |                             |
|                     | 10          | 50-5610                       |                             |                            |                             | 50-7610                    | 50-7637                     |                            |                             |
| 1000                | 5           | 50-5611                       | 50-5634                     | 50-5651                    |                             | 50-7611                    | 50-7638                     | 50-7657                    | 50-7671                     |
|                     | 10          | 50-5612                       | 50-5635                     |                            |                             | 50-7612                    | 50-7639                     |                            |                             |
|                     | 15          | 50-5613                       |                             |                            |                             | 50-7613                    | 50-7640                     |                            |                             |
| 1200                | 5           | 50-5614                       | 50-5636                     | 50-5652                    | 50-5665                     | 50-7614                    | 50-7641                     | 50-7658                    | 50-7672                     |
|                     | 10          | 50-5615                       | 50-5637                     | 50-5653                    |                             | 50-7615                    | 50-7642                     | 50-7659                    |                             |
|                     | 15          | 50-5616                       | 50-5638                     |                            |                             | 50-7616                    | 50-7643                     |                            |                             |
| 1250                | 5           | 50-5617                       | 50-5639                     | 50-5654                    | 50-5666                     | 50-7617                    | 50-7644                     | 50-7660                    | 50-7673                     |
|                     | 10          | 50-5618                       | 50-5640                     | 50-5655                    |                             | 50-7618                    | 50-7645                     | 50-7661                    |                             |
|                     | 15          | 50-5619                       | 50-5641                     |                            |                             | 50-7619                    | 50-7646                     |                            |                             |
| 1500                | 5           | 50-5620                       | 50-5642                     | 50-5656                    | 50-5667                     | 50-7620                    | 50-7647                     | 50-7662                    | 50-7674                     |
|                     | 10          | 50-5621                       | 50-5643                     | 50-5657                    |                             | 50-7621                    | 50-7648                     | 50-7663                    |                             |
|                     | 15          | 50-5622                       | 50-5644                     | 50-5658                    |                             | 50-7622                    | 50-7649                     | 50-7664                    |                             |
| 1600                | 5           | 50-5623                       | 50-5645                     | 50-5659                    | 50-5668                     | 50-7623                    | 50-7650                     | 50-7665                    | 50-7675                     |
|                     | 10          | 50-5624                       | 50-5646                     | 50-5660                    | 50-5669                     | 50-7624                    | 50-7651                     | 50-7666                    | 50-7676                     |
|                     | 15          | 50-5625                       | 50-5647                     | 50-5661                    |                             | 50-7625                    | 50-7652                     | 50-7667                    |                             |
| 2000                | 5           | 50-5626                       | 50-5648                     | 50-5662                    | 50-5670                     | 50-7626                    | 50-7653                     | 50-7668                    | 50-7677                     |
|                     | 10          | 50-5627                       | 50-5649                     | 50-5663                    | 50-5671                     | 50-7627                    | 50-7654                     | 50-7669                    | 50-7678                     |
|                     | 15          | 50-5628                       | 50-5650                     | 50-5664                    |                             | 50-7628                    | 50-7655                     | 50-7670                    |                             |

|  |                               | Art.-no.     |
|--|-------------------------------|--------------|
|  | <b>Quick-Fix</b>              | <b>55021</b> |
|  | <b>Sealed shutter, type J</b> | <b>59059</b> |

- UL certification; Certificate no.: 20100426-E336996
- World's first CT with screwless connection technology – „Cage Clamp“
- Innovative time-saving connection of either solid or flexible secondary conductor not exceeding 4 mm<sup>2</sup> to be fitted either on the top or in front without ferrules
- Vibration and shock resistant
- Maintenance free gas-tight connection
- High current carrying capacity
- Low-voltage CT for maximum operating voltage of 1.2 kV; use in 690 V networks possible
- Higher isolation level 1.2/6/12 kV - Tested lightning impulse voltage for 690 V switch-gear according IEC 61439-1 and -2.



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## Low-voltage current transformers for tariff applications

### Wound current transformer

**EWSK 31.5**

Transformer width: 115 mm Current range: 25 ... 150 A

Page: 228

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### Summation current transformer

**ESUSK**

Inputs: 2 ... 8 pcs.

Current range: 5 A

Page: 229

Transformer width: 156 mm

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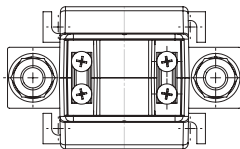
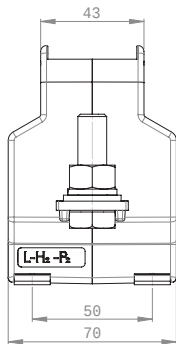
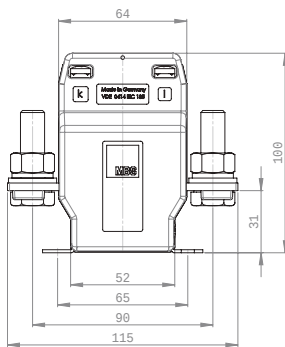
Type „E“ denotes that the current transformers are suitable for tariff applications

## EWSK 31.5

Wound current transformer – Tariff applications



Transformer width 70 mm  
Height 100 mm  
Depth 115 mm



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 25                  | 2,5         | 33547                         | 33583                       | 33511                      | 33747                      | 33711                      |
|                     | 5           | 33548                         | 33584                       | 33512                      | 33748                      | 33712                      |
|                     | 10          | 33549                         | 33585                       | 33513                      | 33749                      | 33713                      |
|                     | 15          | 33550                         | 33586                       |                            | 33750                      |                            |
| 30                  | 2,5         | 33551                         | 33587                       | 33515                      | 33751                      | 33715                      |
|                     | 5           | 33552                         | 33588                       | 33516                      | 33752                      | 33716                      |
|                     | 10          | 33553                         | 33589                       | 33517                      | 33753                      | 33717                      |
|                     | 15          | 33554                         | 33590                       |                            | 33754                      |                            |
| 40                  | 2,5         | 33555                         | 33591                       | 33519                      | 33755                      | 33719                      |
|                     | 5           | 33556                         | 33592                       | 33520                      | 33756                      | 33720                      |
|                     | 10          | 33557                         | 33593                       | 33521                      | 33757                      | 33721                      |
|                     | 15          | 33558                         | 33594                       |                            | 33758                      |                            |
| 50                  | 2,5         | 33559                         | 33595                       | 33523                      | 33759                      | 33723                      |
|                     | 5           | 33560                         | 33596                       | 33524                      | 33760                      | 33724                      |
|                     | 10          | 33561                         | 33597                       | 33525                      | 33761                      | 33725                      |
|                     | 15          | 33562                         | 33598                       |                            | 33762                      |                            |
| 60                  | 2,5         | 33563                         | 33599                       | 33527                      | 33763                      | 33727                      |
|                     | 5           | 33564                         | 33600                       | 33528                      | 33764                      | 33728                      |
|                     | 10          | 33565                         | 33601                       | 33529                      | 33765                      | 33729                      |
|                     | 15          | 33566                         | 33602                       |                            | 33766                      |                            |
| 75                  | 2,5         | 33567                         | 33603                       | 33531                      | 33767                      | 33731                      |
|                     | 5           | 33568                         | 33604                       | 33532                      | 33768                      | 33732                      |
|                     | 10          | 33569                         | 33605                       | 33533                      | 33769                      | 33733                      |
|                     | 15          | 33570                         | 33606                       |                            | 33770                      |                            |
| 100                 | 2,5         | 33571                         | 33607                       | 33535                      | 33771                      | 33735                      |
|                     | 5           | 33572                         | 33608                       | 33536                      | 33772                      | 33736                      |
|                     | 10          | 33573                         | 33609                       | 33537                      | 33773                      | 33737                      |
|                     | 15          | 33574                         | 33610                       |                            | 33774                      |                            |
| 150                 | 2,5         | 33575                         | 33611                       | 33539                      | 33775                      | 33739                      |
|                     | 5           | 33576                         | 33612                       | 33540                      | 33776                      | 33740                      |
|                     | 10          | 33577                         | 33613                       | 33541                      | 33777                      | 33741                      |
|                     | 15          | 33578                         | 33614                       |                            | 33778                      |                            |

|  |                        | Art.-no. |
|--|------------------------|----------|
|  | Snap-on mounting       | –        |
|  | Sealed shutter, type F | 59045    |

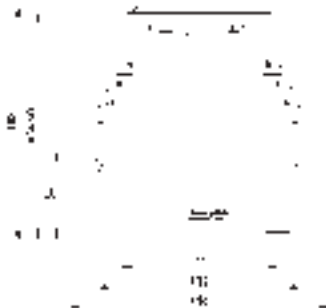


## ESUSK 2...8

Summation current transformer – Tariff applications



Transformer width 156 mm  
Height 140 mm  
Depth 65 mm



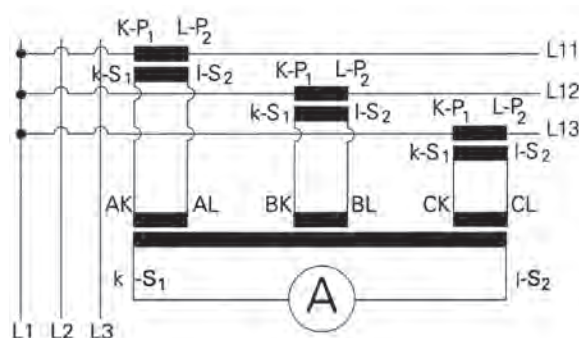
|        |                     |             | Secondary current [A] / Class |
|--------|---------------------|-------------|-------------------------------|
| Inputs | Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,2<br>Art.-no.    |
| 2      | 5                   | 5           | 40511                         |
|        |                     | 10          | 40512                         |
| 3      |                     | 5           | 40513                         |
|        |                     | 10          | 40514                         |
| 4      |                     | 5           | 40515                         |
|        |                     | 10          | 40516                         |
| 5      |                     | 5           | 40517                         |
|        |                     | 10          | 40518                         |
| 6      |                     | 5           | 40519                         |
|        |                     | 10          | 40520                         |
| 7      |                     | 5           | 40521                         |
|        |                     | 10          | 40522                         |
| 8      |                     | 5           | 40523                         |
|        |                     | 10          | 40524                         |

|  |                               | Art.-no.               |
|--|-------------------------------|------------------------|
|  | <b>Snap-on mounting</b>       | –                      |
|  | <b>Sealed shutter, type B</b> | <b>59041 primary</b>   |
|  | <b>Sealed shutter, type C</b> | <b>59042 secondary</b> |

Connection example for different ratios:

AK-AL = 1000/5  
BK-BL = 800/5  
CK-CL = 600/5  
DK-DL = 400/5  
EK-EL = 400/5  
FK-FL = 300/5  
GK-GL = 300/5  
HK-HL = 300/5

Connection diagram



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## **Low-voltage current transformers for tariff applications**

### **Three-phase current transformer set incl. bus bars and optionally with neutral conductor**

|                                               |                                                                                                      |                                    |           |
|-----------------------------------------------|------------------------------------------------------------------------------------------------------|------------------------------------|-----------|
| <b>EASK(D) 21.3</b>                           | Bus bar 1: 3x 12 x 5 mm<br>Neutral: 1x 12 x 5 mm<br>Base plate: yes<br>Transformer width: 176,5 mm   | Current range: 3x 100 ... 3x 200 A | Page: 231 |
| <b>EASK(D) 31.5</b><br><b>EASK(D) 31.5 2U</b> | Bus bar 1: 3x 30 x 10 mm<br>Neutral: 1x 30 x 10 mm<br>Base plate: yes<br>Transformer width: 232,5 mm | Current range: 3x 75 ... 3x 750 A  | Page: 232 |
| <b>EWSKD 31.8</b>                             | Bus bar 1: 3x 30 x 6 mm<br>Neutral: 1x 30 x 6 mm<br>Base plate: yes<br>Transformer width: 235,5 mm   | Current range: 3x 50 ... 3x 150 A  | Page: 234 |
| <b>EWSKD 31.8</b>                             | Bus bar 1: 3x 30 x 6 mm<br>Neutral: without<br>Base plate: no<br>Transformer width: 205,5 mm         | Current range: 3x 50 ... 3x 150 A  | Page: 235 |
| <b>EASKD 31.8</b>                             | Bus bar 1: 3x 30 x 6 mm<br>Neutral: 1x 30 x 6 mm<br>Base plate: yes<br>Transformer width: 235,5 mm   | Current range: 3x 200 ... 3x 600 A | Page: 236 |
| <b>EASKD 31.8</b>                             | Bus bar 1: 3x 30 x 6 mm<br>Neutral: without<br>Base plate: no<br>Transformer width: 205,5 mm         | Current range: 3x 200 ... 3x 600 A | Page: 237 |



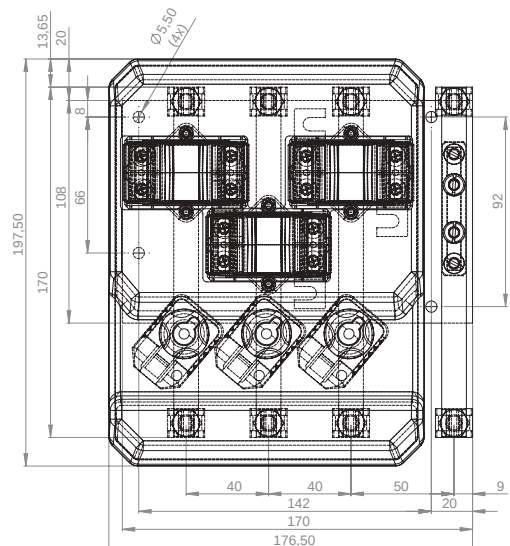
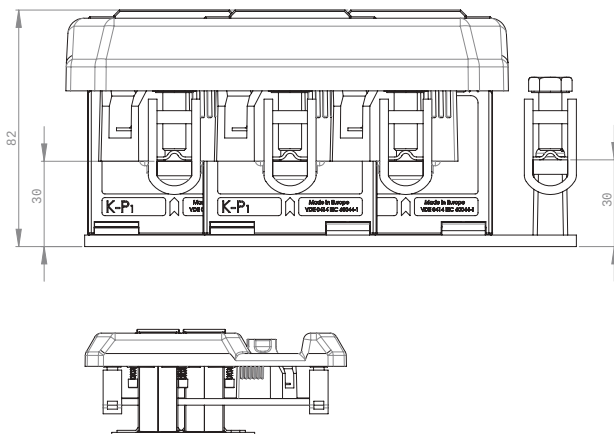
## EASK(D) 21.3 with base plate

Three-phase current transformer set – Tariff applications

| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 3 x 100             | 2,5         | 58529                         | 58547                       |                            | 58747                      |                            |
|                     | 2,5         | 58532                         | 58550                       | 58514                      | 58750                      | 58714                      |
| 3 x 150             | 5           | 58533                         | 58551                       |                            | 58751                      |                            |
|                     | 2,5         | 58535                         | 58553                       | 58517                      | 58753                      | 58717                      |
| 3 x 200             | 5           | 58536                         | 58554                       | 58518                      | 58754                      | 58718                      |

|                                                                                   | Art.-no.     |
|-----------------------------------------------------------------------------------|--------------|
|  | <b>59040</b> |

- The measuring transformer set consists of 3 individual current transformers which are mounted on an aluminium base plate together with the primary conductors  $L_1$ ,  $L_2$ ,  $L_3$  and neutral conductor.
- **The current transformer set can be supplied with or without fuses. The voltage supply is optional and can be tapped either from the 10 A-NEOZED fuse or from the individual primary conductors.**
- Transparent, sealable covers protect the secondary terminals of the current transformers against external tampering. All voltage carrying parts of the assembled current transformer set are made shock-proof with isolating covers which are included in the deliveries.
- Flexible copper wire with a nominal cross section of 16 mm<sup>2</sup> up to 70 mm<sup>2</sup> can be connected to the primary connection terminals.
- The configuration of this current transformer set conforms to the technical requirements and guidance:
  - IEC 61869/1+2
  - DIN 42600



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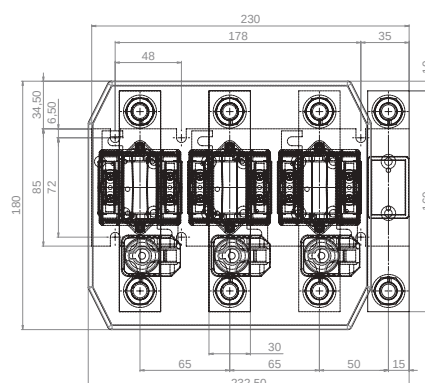
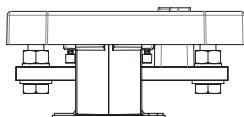
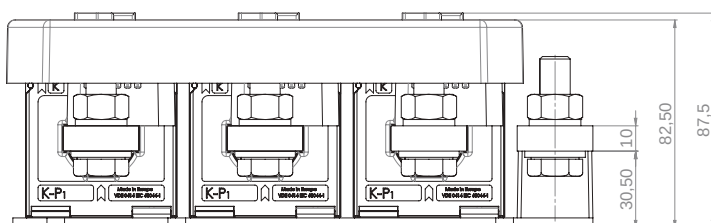
## EASK(D) 31.5 with base plate

Three-phase current transformer set – Tariff applications



|                     |             | Secondary current [A] / Class |                             |                            |                            |                            |
|---------------------|-------------|-------------------------------|-----------------------------|----------------------------|----------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 3 x 75              | 2,5         | 57543                         | 57575                       |                            | 57743                      |                            |
|                     | 2,5         | 57544                         | 57576                       | 57512                      | 57744                      | 57712                      |
| 3 x 100             | 5           | 57545                         |                             |                            | 57745                      |                            |
|                     | 2,5         | 57546                         | 57578                       | 57514                      | 57746                      | 57714                      |
| 3 x 150             | 5           | 57547                         | 57579                       | 57515                      | 57747                      | 57715                      |
|                     | 2,5         | 57548                         | 57580                       | 57516                      | 57748                      | 57716                      |
| 3 x 200             | 5           | 57549                         | 57581                       | 57517                      | 57749                      | 57717                      |
|                     | 10          | 57550                         | 57582                       |                            | 57750                      |                            |
| 3 x 250             | 2,5         | 57551                         | 57583                       | 57519                      | 57751                      | 57719                      |
|                     | 5           | 57552                         | 57584                       | 57520                      | 57752                      | 57720                      |
|                     | 10          | 57553                         | 57585                       | 57521                      | 57753                      | 57721                      |
|                     | 15          | 57554                         | 57806                       |                            | 57754                      |                            |
| 3 x 300             | 2,5         | 57555                         | 57586                       | 57523                      | 57755                      | 57723                      |
|                     | 5           | 57556                         | 57587                       | 57524                      | 57756                      | 57724                      |
|                     | 10          | 57557                         | 57588                       | 57525                      | 57757                      | 57725                      |
|                     | 15          | 57558                         | 57805                       |                            | 57758                      |                            |
| 3 x 400             | 2,5         | 57559                         | 57589                       | 57527                      | 57759                      | 57727                      |
|                     | 5           | 57560                         | 57590                       | 57528                      | 57760                      | 57728                      |
|                     | 10          | 57561                         | 57591                       | 57529                      | 57761                      | 57729                      |
|                     | 15          | 57562                         | 57592                       |                            | 57762                      |                            |
| 3 x 500             | 2,5         | 57563                         | 57593                       | 57531                      | 57763                      | 57731                      |
|                     | 5           | 57564                         | 57594                       | 57532                      | 57764                      | 57732                      |
|                     | 10          | 57565                         | 57595                       | 57533                      | 57765                      | 57733                      |
|                     | 15          | 57566                         | 57596                       |                            | 57766                      |                            |
| 3 x 600             | 2,5         | 57567                         | 57597                       | 57535                      | 57767                      | 57735                      |
|                     | 5           | 57568                         | 57598                       | 57536                      | 57768                      | 57736                      |
|                     | 10          | 57569                         | 57599                       | 57537                      | 57769                      | 57737                      |
|                     | 15          | 57570                         | 57600                       |                            | 57770                      |                            |
| 3 x 750             | 2,5         | 57571                         | 57601                       | 57539                      | 57771                      | 57739                      |
|                     | 5           | 57572                         | 57602                       | 57540                      | 57772                      | 57740                      |
|                     | 10          | 57573                         | 57603                       | 57541                      | 57773                      | 57741                      |
|                     | 15          | 57574                         | 57604                       | 57542                      | 57774                      | 57742                      |

|                                                                                                            | Art.-no. |
|------------------------------------------------------------------------------------------------------------|----------|
|  Sealed shutter, type B | 59041    |



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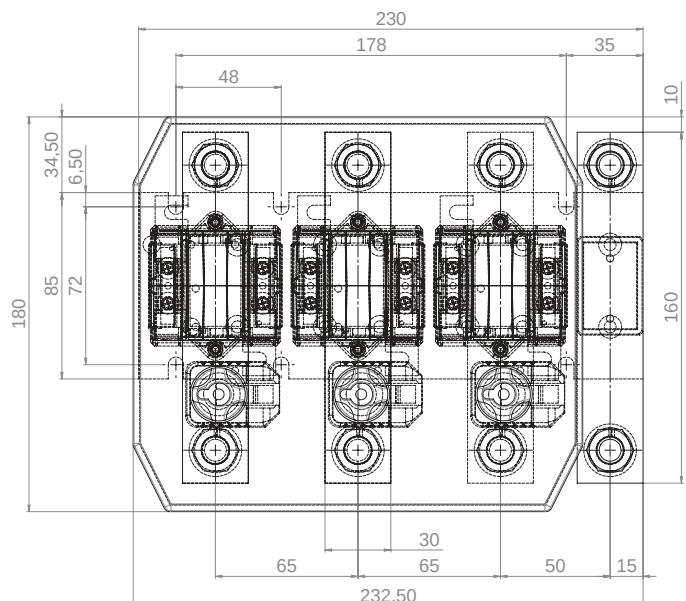
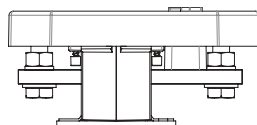
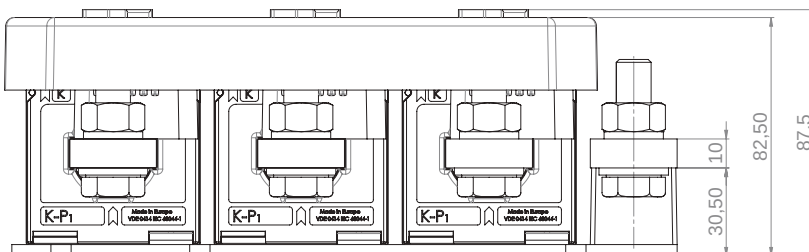
## EASK(D) 31.5 2U with base plate

Three-phase current transformer set,  
secondary reconnectable – Tariff applications



|                     |             | Secondary current [A] / Class |                             |
|---------------------|-------------|-------------------------------|-----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5<br>Art.-no.    | 5 A<br>Cl. 0,5s<br>Art.-no. |
| 3 x 200-100         | 5-2,5       | 57605                         | 57615                       |
| 3 x 200-100         | 10-5        | 57606                         |                             |
| 3 x 300-150         | 5-2,5       | 57607                         | 57617                       |
|                     | 10-5        | 57608                         | 57618                       |
| 3 x 400-200         | 5-2,5       | 57609                         | 57619                       |
|                     | 10-5        | 57610                         | 57620                       |
| 3 x 500-250         | 5-2,5       | 57611                         | 57621                       |
|                     | 10-5        | 57612                         | 57622                       |
| 3 x 600-300         | 5-2,5       | 57613                         | 57623                       |
|                     | 10-5        | 57614                         | 57624                       |

|                       | Art.-no. |
|-----------------------|----------|
| <b>Sealed shutter</b> | –        |



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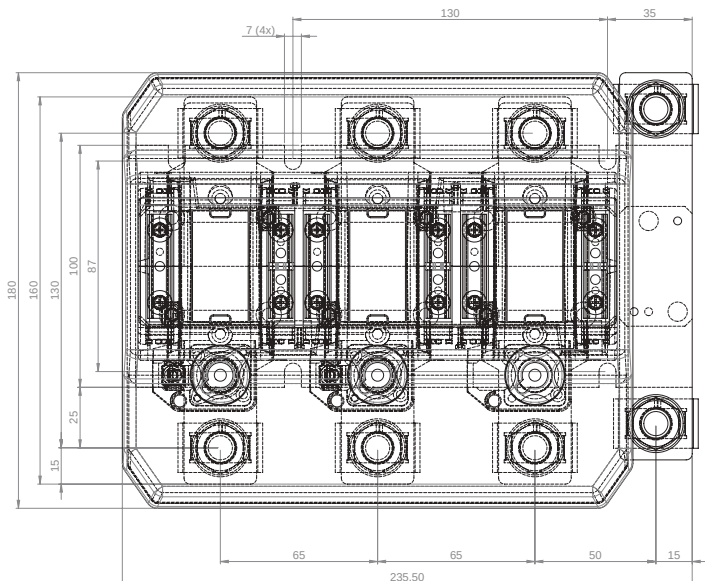
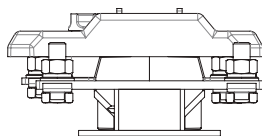
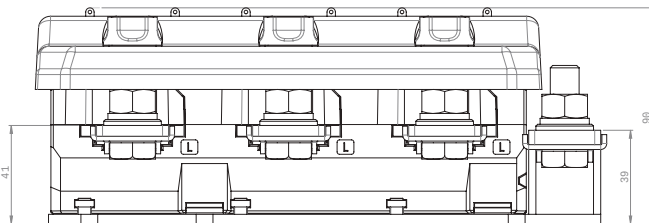
## EWSKD 31.8 with base plate

Three-phase current transformer set – Tariff applications



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                            |                            |                            |
|---------------------|-------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5s<br>Art.-no.   | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 3 x 50              | 2,5         | 44601                         | 44561                      | 44511                      | 44761                      | 44711                      |
|                     | 5           | 44602                         | 44562                      | 44512                      | 44762                      | 44712                      |
|                     | 10          | 44603                         | 44563                      |                            | 44763                      |                            |
| 3 x 75              | 2,5         | 44605                         | 44565                      | 44515                      | 44765                      | 44715                      |
|                     | 5           | 44606                         | 44566                      | 44516                      | 44766                      | 44716                      |
|                     | 10          | 44607                         | 44567                      |                            | 44767                      |                            |
| 3 x 100             | 2,5         | 44609                         | 44569                      | 44519                      | 44769                      | 44719                      |
|                     | 5           | 44610                         | 44570                      | 44520                      | 44770                      | 44720                      |
|                     | 10          | 44611                         | 44571                      |                            | 44771                      |                            |
| 3 x 150             | 2,5         | 44613                         | 44573                      | 44523                      | 44773                      | 44723                      |
|                     | 5           | 44614                         | 44574                      | 44524                      | 44774                      | 44724                      |
|                     | 10          | 44615                         | 44575                      | 44525                      | 44775                      | 44725                      |

|                                                                                    | Art.-no.              |
|------------------------------------------------------------------------------------|-----------------------|
|  | <b>Sealed shutter</b> |
|                                                                                    | –                     |



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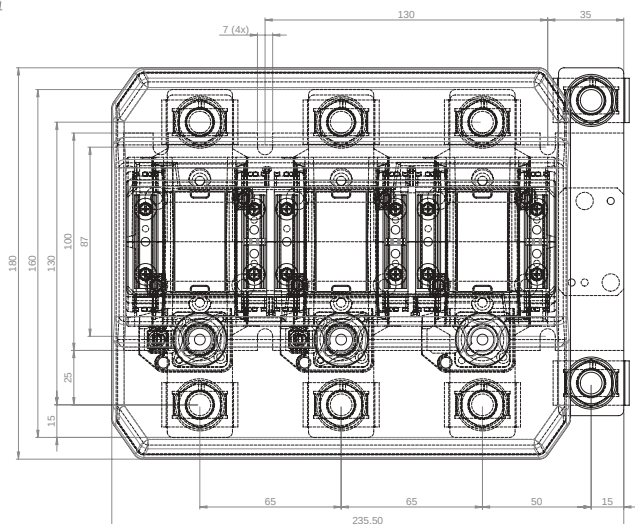
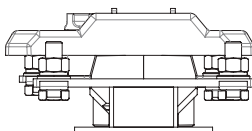
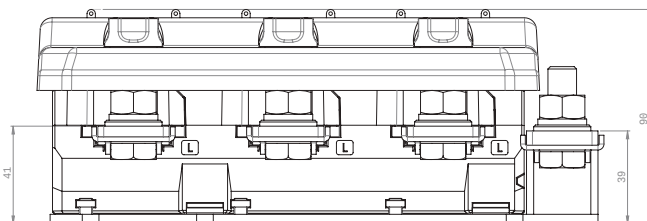
## EWSKD 31.8 without base plate and neutral

Three-phase current transformer set – Tariff applications



|                     |             | Secondary current [A] / Class |                            |                            |                            |                            |
|---------------------|-------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5s<br>Art.-no.   | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 3 x 50              | 2,5         | 45601                         | 45561                      | 45511                      | 45761                      | 45711                      |
|                     | 5           | 45602                         | 45562                      | 45512                      | 45762                      | 45712                      |
|                     | 10          | 45603                         | 45563                      |                            | 45763                      |                            |
| 3 x 75              | 2,5         | 45605                         | 45565                      | 45515                      | 45765                      | 45715                      |
|                     | 5           | 45606                         | 45566                      | 45516                      | 45766                      | 45716                      |
|                     | 10          | 45607                         | 45567                      |                            | 45767                      |                            |
| 3 x 100             | 2,5         | 45609                         | 45569                      | 45519                      | 45769                      | 45719                      |
|                     | 5           | 45610                         | 45570                      | 45520                      | 45770                      | 45720                      |
|                     | 10          | 45611                         | 45571                      |                            | 45771                      |                            |
| 3 x 150             | 2,5         | 45613                         | 45573                      | 45523                      | 45773                      | 45723                      |
|                     | 5           | 45614                         | 45574                      | 45524                      | 45774                      | 45724                      |
|                     | 10          | 45615                         | 45575                      | 45525                      | 45775                      | 45725                      |

|  | Art.-no.              |
|--|-----------------------|
|  | <b>Sealed shutter</b> |
|  | –                     |



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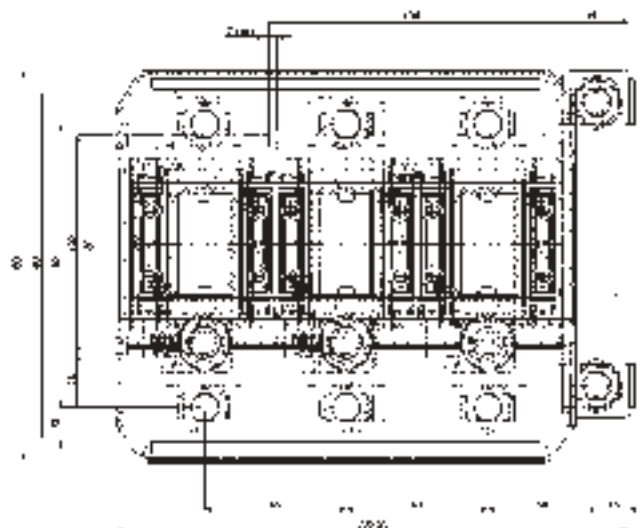
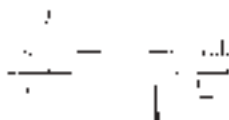
## EASKD 31.8 with base plate

Three-phase current transformer set – Tariff applications



| Primary current [A] | Burden [VA] | Secondary current [A] / Class |                            |                            |                            |                            |
|---------------------|-------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
|                     |             | 5 A<br>Cl. 0,5s<br>Art.-no.   | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 3 x 200             | 2,5         | 46617                         | 46577                      | 46527                      | 46777                      | 46727                      |
|                     | 5           | 46618                         | 46578                      | 46528                      | 46778                      | 46728                      |
|                     | 10          | 46619                         | 46579                      | 46529                      | 46779                      | 46729                      |
| 3 x 250             | 2,5         | 46621                         | 46581                      | 46531                      | 46781                      | 46731                      |
|                     | 5           | 46622                         | 46582                      | 46532                      | 46782                      | 46732                      |
|                     | 10          | 46623                         | 46583                      | 46533                      | 46783                      | 46733                      |
| 3 x 300             | 2,5         | 46625                         | 46585                      | 46535                      | 46785                      | 46735                      |
|                     | 5           | 46626                         | 46586                      | 46536                      | 46786                      | 46736                      |
|                     | 10          | 46627                         | 46587                      | 46537                      | 46787                      | 46737                      |
|                     | 15          | 46628                         | 46588                      |                            | 46788                      |                            |
| 3 x 400             | 2,5         | 46629                         | 46589                      | 46539                      | 46789                      | 46739                      |
|                     | 5           | 46630                         | 46590                      | 46540                      | 46790                      | 46740                      |
|                     | 10          | 46631                         | 46591                      | 46541                      | 46791                      | 46741                      |
|                     | 15          | 46632                         | 46592                      | 46542                      | 46792                      | 46742                      |
| 3 x 500             | 2,5         | 46633                         | 46593                      | 46543                      | 46793                      | 46743                      |
|                     | 5           | 46634                         | 46594                      | 46544                      | 46794                      | 46744                      |
|                     | 10          | 46635                         | 46595                      | 46545                      | 46795                      | 46745                      |
|                     | 15          | 46636                         | 46596                      | 46546                      | 46796                      | 46746                      |
| 3 x 600             | 2,5         | 46637                         | 46597                      | 46547                      | 46797                      | 46747                      |
|                     | 5           | 46638                         | 46598                      | 46548                      | 46798                      | 46748                      |
|                     | 10          | 46639                         | 46599                      | 46549                      | 46799                      | 46749                      |
|                     | 15          | 46640                         | 46600                      | 46550                      | 46800                      | 46750                      |

|                                                                                     | Art.-no.                   |
|-------------------------------------------------------------------------------------|----------------------------|
|  | <b>Sealed shutter</b><br>– |



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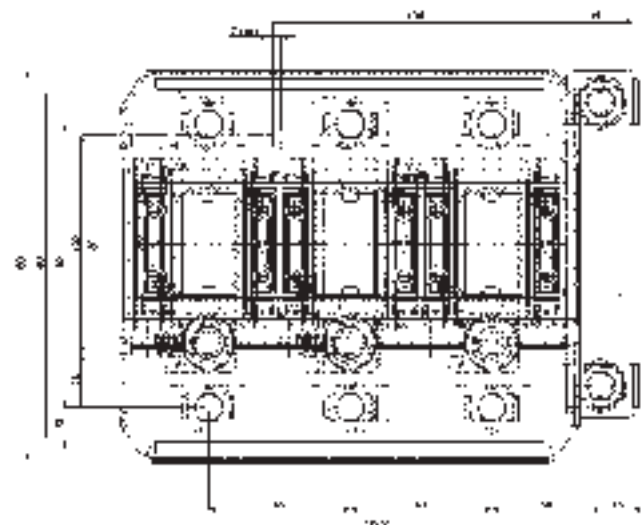
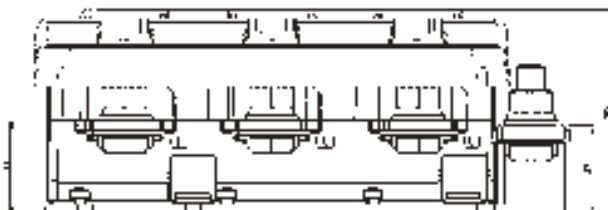
## EASKD 31.8 without base plate and neutral

Three-phase current transformer set – Tariff applications



|                     |             | Secondary current [A] / Class |                            |                            |                            |                            |
|---------------------|-------------|-------------------------------|----------------------------|----------------------------|----------------------------|----------------------------|
| Primary current [A] | Burden [VA] | 5 A<br>Cl. 0,5s<br>Art.-no.   | 5 A<br>Cl. 0,5<br>Art.-no. | 5 A<br>Cl. 0,2<br>Art.-no. | 1 A<br>Cl. 0,5<br>Art.-no. | 1 A<br>Cl. 0,2<br>Art.-no. |
| 3 x 200             | 2,5         | 47617                         | 47577                      | 47527                      | 47777                      | 47727                      |
|                     | 5           | 47618                         | 47578                      | 47528                      | 47778                      | 47728                      |
|                     | 10          | 47619                         | 47579                      | 47529                      | 47779                      | 47729                      |
| 3 x 250             | 2,5         | 47621                         | 47581                      | 47531                      | 47781                      | 47731                      |
|                     | 5           | 47622                         | 47582                      | 47532                      | 47782                      | 47732                      |
|                     | 10          | 47623                         | 47583                      | 47533                      | 47783                      | 47733                      |
| 3 x 300             | 2,5         | 47625                         | 47585                      | 47535                      | 47785                      | 47735                      |
|                     | 5           | 47626                         | 47586                      | 47536                      | 47786                      | 47736                      |
|                     | 10          | 47627                         | 47587                      | 47537                      | 47787                      | 47737                      |
|                     | 15          | 47628                         | 47588                      |                            | 47788                      |                            |
| 3 x 400             | 2,5         | 47629                         | 47589                      | 47539                      | 47789                      | 47739                      |
|                     | 5           | 47630                         | 47590                      | 47540                      | 47790                      | 47740                      |
|                     | 10          | 47631                         | 47591                      | 47541                      | 47791                      | 47741                      |
|                     | 15          | 47632                         | 47592                      | 47542                      | 47792                      | 47742                      |
| 3 x 500             | 2,5         | 47633                         | 47593                      | 47543                      | 47793                      | 47743                      |
|                     | 5           | 47634                         | 47594                      | 47544                      | 47794                      | 47744                      |
|                     | 10          | 47635                         | 47595                      | 47545                      | 47795                      | 47745                      |
|                     | 15          | 47636                         | 47596                      | 47546                      | 47796                      | 47746                      |
| 3 x 600             | 2,5         | 47637                         | 47597                      | 47547                      | 47797                      | 47747                      |
|                     | 5           | 47638                         | 47598                      | 47548                      | 47798                      | 47748                      |
|                     | 10          | 47639                         | 47599                      | 47549                      | 47799                      | 47749                      |
|                     | 15          | 47640                         | 47600                      | 47550                      | 47800                      | 47750                      |

|                                                                                     | Art.-no.       |
|-------------------------------------------------------------------------------------|----------------|
|  | Sealed shutter |
|                                                                                     | –              |





## **Accessories for low-voltage current transformers**

**Snap-on mountings**

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**Quick Fix**

---

**Copper tubes**

---

**Mounting angle**

---

**Clamping claw + clamp module**

---

**Mounting kit**

---

**Locking pistons**

---

**Secondary cap**

---

**Sealed shutter**

---

**Copper bus bars**

---

## Snap-on mounting



| Type | For use with following MBS current transformers                     | Art.-no. |
|------|---------------------------------------------------------------------|----------|
| A    | ASR 22.3; ASK 21.3; 31.3; 318.3; 41.3; WSK 30, EASK 31.3, EASR 22.3 | 53011    |
| B    | ASK 31.4, EASK 31.4                                                 | 54011    |
| C    | ASK 31.5; WSK 40 N, EASK 31.5, EASK 41.5; ASKDS 55 (2x)             | 55011    |
| D    | ASK 41.4; 412.4; WSK 40, EASK 41.4; ASKDS 33                        | 55012    |
| E    | ASR 14.3; 20.3; 201.3, EASR 14.3, EAS 176.3, EASK 176.3             | 55013    |
| F    | ASR 21.3; ASK 205.3                                                 | 55014    |
| G    | CTB 31.35, 41.35                                                    | 55015    |
| H    | KBR 18S                                                             | 55016    |
| I    | KBR 18L; KBR 28                                                     | 55017    |
| J    | CTM 7                                                               | 55018    |
| K    | ASKDS 25                                                            | 55020    |

## Quick Fix

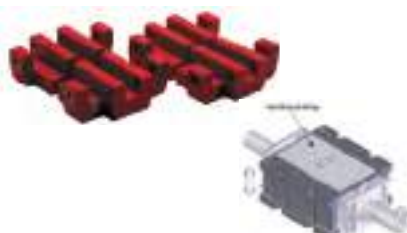
|                                            | Art.-no. |
|--------------------------------------------|----------|
| Standard for 85°C continuous temperature   | 55021    |
| Cable ties heat stabilized for up to 130°C | 55024    |

## Copper tubes

| Length | Outside Ø | Inner Ø | Max. current | Art.-no. |
|--------|-----------|---------|--------------|----------|
| 34     | 22.5      | 16.5    | 600 A        | 52011    |
| 36     | 22.5      | 16.5    | 600 A        | 52012    |
| 34     | 22.5      | 12.5    | 600 A        | 52021    |
| 36     | 22.5      | 12.5    | 600 A        | 52022    |
| 34     | 22.5      | 8.5     | 600 A        | 52031    |
| 36     | 22.5      | 8.5     | 600 A        | 52032    |
| 32     | 21        | 12.5    | 600 A        | 52041    |
| 34     | 21        | 12.5    | 600 A        | 52042    |
| 32     | 21        | 8.5     | 600 A        | 52051    |
| 34     | 21        | 8.5     | 600 A        | 52052    |

further lengths and diameters are available upon request

## Mounting angle for 3-phase current transformer set



| Mounting angle for triple set (2 pcs.)<br>Plug-in, protection- and tariff current transformers |          |
|------------------------------------------------------------------------------------------------|----------|
| For use with following MBS current transformers                                                | Art.-no. |
| ASK 31.3                                                                                       | 59083    |
| ASK 421.4; 41.4; 412.4; WSK 40; WSK 40N                                                        | 59037    |
| ASK 41.5                                                                                       | 59082    |

## Clamping claw + clamp module

|                                                               | Art.-no. |
|---------------------------------------------------------------|----------|
| Flexible bus bar mounting for CT type ASK 165.5 and ASK 205.5 | 59090    |
| Clamp module with anti-slip surface                           | 59091    |



## RJ45 adaptor

|                                                                                                                                                        | Art.-no. |
|--------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| Adaptor for easy connection of three split-core current transformers with measuring output 0...333 mV (KBR 18, 32, 44) to measuring unit MPR 3 / MPR 4 | RJ45-A   |



## Mounting kit

| Screw M12 x 40                                            | Art.-no. |
|-----------------------------------------------------------|----------|
| with voltage taps M5                                      | 59026    |
| with voltage taps M5 and locking piston for bus bar 30 mm | 59027    |
| with voltage taps M5 and locking piston for bus bar 40 mm | 59030    |
| with voltage taps M5 and locking piston for bus bar 50 mm | 59081    |
| Standard                                                  | 59028    |
| Standard with locking piston for bus bar 30 mm            | 59029    |
| Standard with locking piston for bus bar 40 mm            | 59030A   |
| Standard with locking piston for bus bar 50 mm            | 59080    |



## Locking pistons

|                | Dimensions [mm] |        |         | Art.-no. |
|----------------|-----------------|--------|---------|----------|
| Copper bus bar | 30 x 6          | 30 x 8 | 30 x 10 | 59035    |
| Copper bus bar | 40 x 6          | 40 x 8 | 40 x 10 | 59036    |
| Copper bus bar | 50 x 6          | 50 x 8 | 50 x 10 | 59048    |



## Secondary cap

|                                                      | Art.-no. |
|------------------------------------------------------|----------|
| Universal secondary cap for MBS current transformers | 53016    |



## Sealed shutters

| Type | For use with following MBS current transformers                                                                                                                                                                                                                                                                  | Art.-no. |
|------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|
| A    | ASR 22.3, ASK 21.3, 31.3, 318.3, 41.3, 103.3(2x), 123.3(2x), WSK 30, SASR22.3, SASK21.3, ASK(D) 21.3, EASR 22.3, EASK 21.3, EASK 31.3, EASK 123.3, EASK(D) 21.3                                                                                                                                                  | 59040    |
| B    | ASK 31.4, 31.5, 421.4, 41.4, 412.4, WSK 40, WSK 40N, 60, 70.6 N, KSU, SUSK 3...8 primary, SASK 31.5, SASK 421.4, SASK 41.4, ASK(D) 31.5, ASK(D) 31.5 2U, EASK 31.4, EASK 31.5                                                                                                                                    | 59041    |
| C    | ASK 541.4, 51.4, 561.4, 61.4, 63.4, 63.6, 81.4, 101.4, ASK 105.6, 105.6N, 127.4, 127.6, 128.4, ASK 105.6, 105.6N, 127.4, 127.6, 128.4, 129.10, SUSK 3...8 secondary, SASK 541.4, SASK 61.4, SASK 63.6, SASK 105.6, EASK 541.4, EASK 51.4, EASK 51.4 2U, EASK 61.4, EASK 63.6, EASK 81.4, EASK 105.6, ESUSK 2...8 | 59042    |
| D    | WSK 70.6                                                                                                                                                                                                                                                                                                         | 59043    |
| E    | ASK 31.6, 41.6, 51.6, 61.6, SASK 31.6, SASK 41.6, SASK 51.6, SASK 61.6, EASK 31.6, EASK 41.6, EASK 51.6, EASK 61.6                                                                                                                                                                                               | 59044    |
| F    | WSK 31.5, EWSK 31.5                                                                                                                                                                                                                                                                                              | 59045    |
| G    | CTB 31.35; 41.35                                                                                                                                                                                                                                                                                                 | 59057    |
| H    | CTB 51.35                                                                                                                                                                                                                                                                                                        | 59058    |
| J    | CTB 61.35; 81.35; 101.35                                                                                                                                                                                                                                                                                         | 59059    |

# Copper bus bars

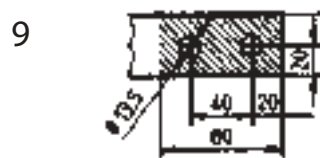
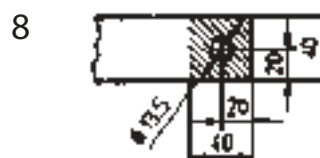
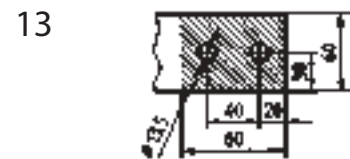
galvanically nickel-plated



Copper bus bar for current transformers for industrial applications



Copper bus bar for current transformers for tariff applications



Material E-CU copper plated,  
acc. to DIN 46433

# Copper bus bars

| Art.-no.        | Configuration   | Bores | Length | Width | Thickness | Max. current |
|-----------------|-----------------|-------|--------|-------|-----------|--------------|
| 030060130B006I  | Industry        | 6     | 130    | 30    | 6         | 300 A        |
| 030060130B006E  | energy supplier | 6     | 130    | 30    | 6         | 300 A        |
| 030060130B006IO | w/o screws      | 6     | 130    | 30    | 6         | 300 A        |
| 030060140B006I  | Industry        | 6     | 140    | 30    | 6         | 300 A        |
| 030060140B006E  | energy supplier | 6     | 140    | 30    | 6         | 300 A        |
| 030060140B006IO | w/o screws      | 6     | 140    | 30    | 6         | 300 A        |
| 030080130B006I  | Industry        | 6     | 130    | 30    | 8         | 400 A        |
| 030080130B006E  | energy supplier | 6     | 130    | 30    | 8         | 400 A        |
| 030080130B006IO | w/o screws      | 6     | 130    | 30    | 8         | 400 A        |
| 030080160B006I  | Industry        | 6     | 160    | 30    | 8         | 400 A        |
| 030080160B006E  | energy supplier | 6     | 160    | 30    | 8         | 400 A        |
| 030080160B006IO | w/o screws      | 6     | 160    | 30    | 8         | 400 A        |
| 030100130B006I  | Industry        | 6     | 130    | 30    | 10        | 750 A        |
| 030100130B006E  | energy supplier | 6     | 130    | 30    | 10        | 750 A        |
| 030100130B006IO | w/o screws      | 6     | 130    | 30    | 10        | 750 A        |
| 030100140B006I  | Industry        | 6     | 140    | 30    | 10        | 750 A        |
| 030100140B006E  | energy supplier | 6     | 140    | 30    | 10        | 750 A        |
| 030100140B006IO | w/o screws      | 6     | 140    | 30    | 10        | 750 A        |
| 030100160B006I  | Industry        | 6     | 160    | 30    | 10        | 750 A        |
| 030100160B006E  | energy supplier | 6     | 160    | 30    | 10        | 750 A        |
| 030100160B006IO | w/o screws      | 6     | 160    | 30    | 10        | 750 A        |
| 040060140B008I  | Industry        | 8     | 140    | 40    | 6         | 500 A        |
| 040060140B008E  | energy supplier | 8     | 140    | 40    | 6         | 500 A        |
| 040060140B008IO | w/o screws      | 8     | 140    | 40    | 6         | 500 A        |
| 040060160B008I  | Industry        | 8     | 160    | 40    | 6         | 500 A        |
| 040060160B008E  | energy supplier | 8     | 160    | 40    | 6         | 500 A        |
| 040060160B008IO | w/o screws      | 8     | 160    | 40    | 6         | 500 A        |
| 040100140B008I  | Industry        | 8     | 140    | 40    | 10        | 800 A        |
| 040100140B008E  | energy supplier | 8     | 140    | 40    | 10        | 800 A        |
| 040100140B008IO | w/o screws      | 8     | 140    | 40    | 10        | 800 A        |
| 040100160B008I  | Industry        | 8     | 160    | 40    | 10        | 800 A        |
| 040100160B008E  | energy supplier | 8     | 160    | 40    | 10        | 800 A        |
| 040100160B008IO | w/o screws      | 8     | 160    | 40    | 10        | 800 A        |
| 050100140B010I  | Industry        | 10    | 140    | 50    | 10        | 1000 A       |
| 050100140B010E  | energy supplier | 10    | 140    | 50    | 10        | 1000 A       |
| 050100140B010IO | w/o screws      | 10    | 140    | 50    | 10        | 1000 A       |
| 050100180B010I  | Industry        | 10    | 180    | 50    | 10        | 1000 A       |
| 050100180B010E  | energy supplier | 10    | 180    | 50    | 10        | 1000 A       |
| 050100180B010IO | w/o screws      | 10    | 180    | 50    | 10        | 1000 A       |
| 050100220B011I  | Industry        | 11    | 220    | 50    | 10        | 1000 A       |
| 050100220B011E  | energy supplier | 11    | 220    | 50    | 10        | 1000 A       |
| 050100220B011IO | w/o screws      | 11    | 220    | 50    | 10        | 1000 A       |
| 060100180B012I  | Industry        | 12    | 180    | 60    | 10        | 1200 A       |
| 060100180B012E  | energy supplier | 12    | 180    | 60    | 10        | 1200 A       |
| 060100180B012IO | w/o screws      | 12    | 180    | 60    | 10        | 1200 A       |
| 060100220B013I  | Industry        | 13    | 220    | 60    | 10        | 1200 A       |
| 060100220B013E  | energy supplier | 13    | 220    | 60    | 10        | 1200 A       |
| 060100220B013IO | w/o screws      | 13    | 220    | 60    | 10        | 1200 A       |
| 080100240B014I  | Industry        | 14    | 240    | 80    | 10        | 1500 A       |
| 080100240B014E  | energy supplier | 14    | 240    | 80    | 10        | 1500 A       |
| 080100240B014IO | w/o screws      | 14    | 240    | 80    | 10        | 1500 A       |
| 100100240B015I  | Industry        | 15    | 240    | 100   | 10        | 2000 A       |
| 100100240B015E  | energy supplier | 15    | 240    | 100   | 10        | 2000 A       |
| 100100240B015IO | w/o screws      | 15    | 240    | 100   | 10        | 2000 A       |

Primary bus bars - delivery content:

Energy supplier = with each 1 pc. mounting kit 59026 and 59028

Industry = with 2 pcs. mounting kit 59028

w/o screws = without screws

Further lengths and bores are available upon request



## Low-voltage special current transformers for industrial and tariff applications

### Tube current transformer, fully resin-hardened

#### ASG 106

Round conductor: 106 mm Current range: 40 ... 1250 A Page: 244  
Transformer width: 190 mm

### Plug-in current transformer, fully resin-hardened

#### ASG 123

Bus bar 1: 120 x 30 mm Current range: 400 ... 4000 A Page: 246  
Schiene 2: 2x 120 x 10 mm  
Round conductor: 30 mm  
Transformer width: 195 mm

### Ring-type current transformer, fully resin-hardened

#### CTR

Schiene: on request Current range: 50 ... 5000 A Page: 248  
Round conductor: max. 360 mm

### Split-core current transformer, fully resin-hardened

#### CTO

Schiene: auf Anfrage Current range: 50 ... 5000 A Page: 250  
Round conductor: max. 360 mm



## ASG 106

**Tube current transformer for panel boards with hardened Polyurethan resin**  
**Current and protection transformer in one housing**

### Features / Benefits



- Tube current transformer with 1...4 measuring systems integrated in one housing
- Rated voltage 0.72 / 3 / - kV
- Primary current range 40A ... 1250A
- Secondary currents: 5 A, 2 A or 1 A, other values upon request
- Rated burden 2,5VA ... 30VA
- Accuracy classes: 0,2; 0,2s; 0,5; 0,5s; 1; 3
- Protection classes: 5P /10P/ PX
- Thermal nominal continuous rated current  $I_{cth}$ :  $1.2 \times I_N$ , other values upon request
- Combination from current and protection transformer in one housing
- Measuring system with hardened Polyurethan resin
- Reliable results under extreme mechanical and climatic conditions
- 4 different housing depths enable the implementation of variable customer requirements
- Reduction of the external wiring effort by fixed, arranged flexible connecting cables

### Dimensions:

Primary opening diameter: 106 mm  
 Transformer width: 190 mm  
 Total depth: 50, 100, 170, 214 mm

### General technical specifications:

Thermal nominal continuous rated current  $I_{cth}$ :  $1.2 \times I_N$ , other values upon request  
 Thermal nominal short-time current  $I_{th}$ : 25 kA, 3 sec., other values upon request  
 Maximum operating voltage  $U_m$ : 0.72 kV  
 Isolation test voltage: 3 kV,  $U_{eff}$ , 50 Hz, 1 min.  
 Rated frequency: 50 Hz, other values upon request  
 Isolation class: F  
 Applicable technical standards: DIN EN 61869, part 1 + 2

### Further information:

- Housing depth [x] dependent on the number and type of the chosen measuring system
- Measuring systems with hardened Polyurethan resin
- Reliable results under extreme mechanical and climatic conditions due to the full resin hardening
- Resin material with high fire safety (UL94-V0)
- Siemens AG type tests
- Applications: SF6-isolated medium voltage switchgears, wind turbines, facilities for power generation on ships, power distribution systems etc.
- Measuring cores with PTB-Test approval available

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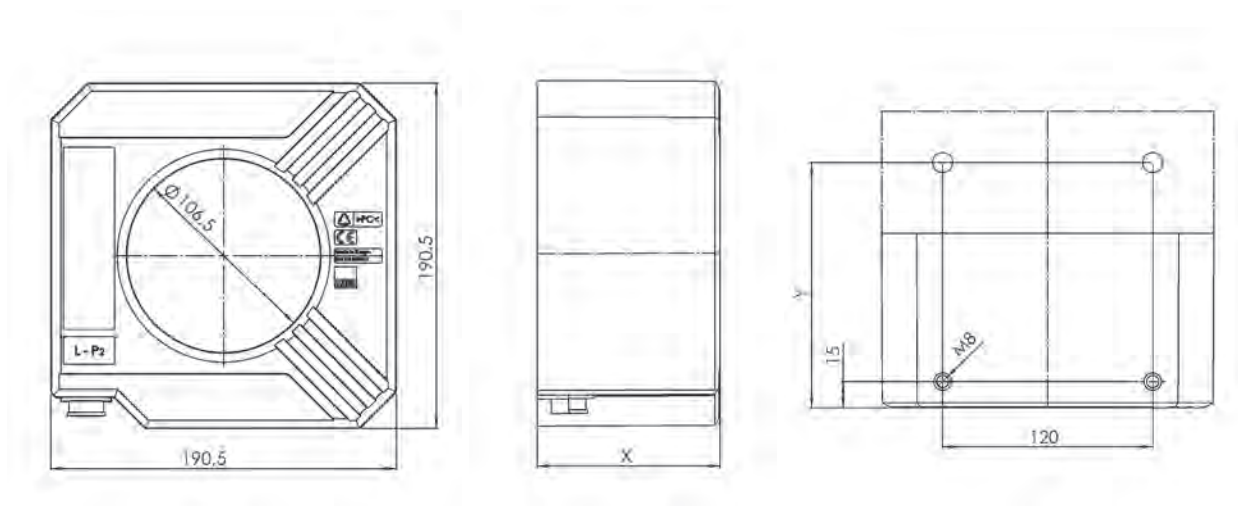
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 E-Mail: [info@mbs-ag.com](mailto:info@mbs-ag.com) - Web: [www.mbs-ag.com](http://www.mbs-ag.com)



- Secondary connections: Flexible copper wire, standard length 3.6 m, 4 mm<sup>2</sup>, other lengths and profiles upon request
- Solidly installed flexible terminal connections, additional textile braided sleeving for the protection of the isolation of the connection cable
- Influence of cable length is taken into account in the interpretation of the measurement systems
- Over current rated limiting factor: See rating plate
- Operating temperature: -5°C < T < +60°C
- Storage temperature: -25°C < T < +70°C
- Housing material: ABS, self-extinguishing, UL94-V0,
- 1-phase low voltage current transformer
- Full resin hardening and a new fixation system allow the application with higher mechanical load (application close to generator)
- High climate resistance and electric safety is achieved by high-quality materials
- Reduction of external wiring by means of flexible selectable length of secondary connection cables
- Mounting of current transformer with 2 pieces (optional 4 pieces) hexagon bolts M8x30
- Packaging unit: 1 pc.
- Customs tariff number: 85043129

## Measurements:

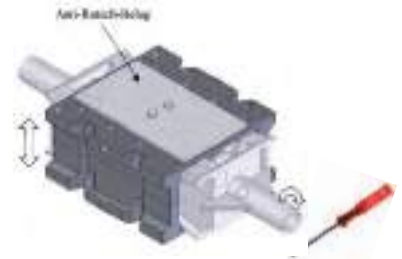
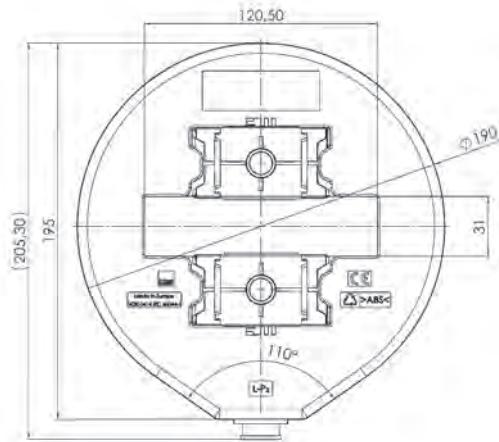


|                           |       |        |        |        |
|---------------------------|-------|--------|--------|--------|
| Housing depth [x]         | 50 mm | 100 mm | 170 mm | 214 mm |
| Measurement y (optional!) | -     | 85 mm  | 155 mm | 199 mm |

## ASG 123

## ASG 123

**Plug-in transformer for panel boards with hardened Polyurethan resin**  
**Current and protection transformer in one housing**



### Dimensions:

Primary conductor 1: 2x 120x10 mm  
 Primary conductor 2: 120x30 mm  
 Transformer depths: 50, 100, 125 mm

### General technical specifications:

Thermal nominal continuous rated current  $I_{cth}$ :  $1.2 \times I_N$   
 Thermal nominal short-time current  $I_{th}$ : 25 kA, 3 sec.,  
 other values upon request  
 Maximum operation voltage  $U_m$ : 1.2 kV  
 Isolation test voltage: 6 kV,  $U_{eff}$ , 50 Hz, 1 min.  
 Rated frequency: 50 Hz, other values upon request  
 Isolation class: F  
 Applicable technical standards: DIN EN 61869, part 1 + 2

### Further information::

- Tube current transformer with 1...3 measuring systems integrated in one housing
- Depth dependent on the number and type of the chosen measuring system
- It is possible to integrate into one housing a combination of measuring transformers and protection transformers
- Measuring systems with hardened Polyurethan resin
- Reliable results under extreme mechanical and climatic conditions
- Resin material with high fire safety (UL94-V0)
- Simple fixation on the bus- bar by means of two clamp modules included in delivery
- Vibration stability of the current transformer was confirmed by an external independent laboratory
- Applications: SF6-isolated medium voltage switchgears, wind turbines, facilities for power generation on ships, power distribution systems etc.
- Primary current range 500 A ... 4000 A
- Secondary currents: 5 A, 2 A or 1 A, other values upon request
- Accuracy classes: 1; 0.5; 0.5s; 0.2 and 0.2s
- Protection classes: 5P10, 10P10, 5P20, 10P20, PX

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- Secondary connections: Flexible copper wire, standard length 1.5 m, 4 mm<sup>2</sup>, other lengths and profiles upon request
- Solidly installed flexible terminal connections, additional textile braided sleeving for the protection of the isolation of the connection cable
- Influence of cable length is taken into account in the interpretation of the measurement systems
- Overload operation limit up to 120% of the primary rated current
- Over current rated limiting factor: See rating plate
- Operating temperature:  $-5^{\circ}\text{C} < T < +60^{\circ}\text{C}$
- Storage temperature:  $-25^{\circ}\text{C} < T < +70^{\circ}\text{C}$
- Housing material: ABS, self-extinguishing, UL94-V0,
- 1-phase low voltage current transformer
- Full resin hardening and a new fixation system allow the application with higher mechanical load (application close to generator)
- High climate resistance and electric safety is achieved by high-quality materials
- Reduction of external wiring by means of flexible selectable length of secondary connection cables
- Packaging unit: 1 pc.
- Customs tariff number: 85043129

## Application example:



## CTR

### Single-piece current transformers, fully resin-hardened for indoor applications

0.72 kV / 1.2 kV



#### Features / Benefits

- Single-piece current transformer suitable for measuring or protection purposes, depending on the design of the CT
- The modular design of this series allows a large number of varieties within the different CT sizes (f.e. two cores in one unit); please see next page for details about the different dimensions
- Max. operating voltage: 0.72/3/- kV or 1.2/6/- kV; if the primary conductor is suitably insulated the CT can also be used above 0.72 kV or 1.2 kV
- Primary current range: 30 A ... 5000 A
- Secondary currents: 1 A, 2 A or 5 A
- Rated burden: 1 VA ... 30 VA
- Accuracy classes: 0.2S; 0.2; 0.5S; 0.5; 1; 3
- Over-current rated limiting factor for measuring cores: FS5 or FS10
- Protection classes: 5P / 10P / PX
- Over-current rated limiting factor for protection cores: 5, 10, 15, 20, 30, 60

#### Dimensions:

Primary opening diameter: max. 360 mm  
Transformer width: 100 - 500 mm  
Transformer depth: 60 - 300 mm

Please see next page for details about the different dimensions.

#### General technical specifications:

Therm. nominal continuous rated current  $I_{cth}$ :  $1,0 \times I_N$  or  $1,2 \times I_N$ , other values upon request  
Therm. nominal short-time current  $I_{th}$ :  $100 \times I_N / 1 \text{ sec.}$ , max. 100kA, other values upon request  
Rated dynamic current  $I_{dyn}$ :  $2,5 \times I_{th}$   
Max. operating voltage  $U_m$ : 0,72 kV or 1,2 kV  
Isolation test voltage: 3 kV,  $U_{eff}$ , 50 Hz, 1 min. or 6 kV,  $U_{eff}$ , 50 Hz, 1 min.  
Rated frequency: 50 Hz or 60 Hz, other values upon request  
Isolation class: E  
Applicable technical standards: DIN EN 61869, part 1 + 2

#### Further information:

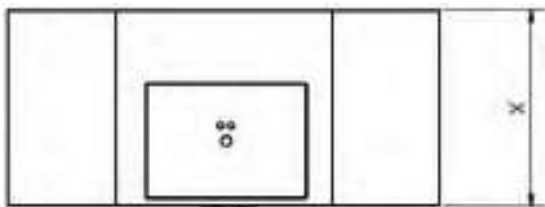
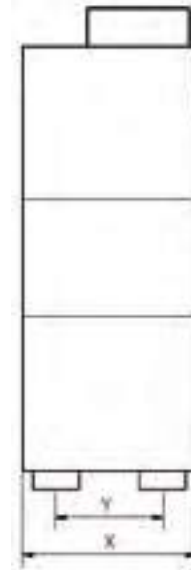
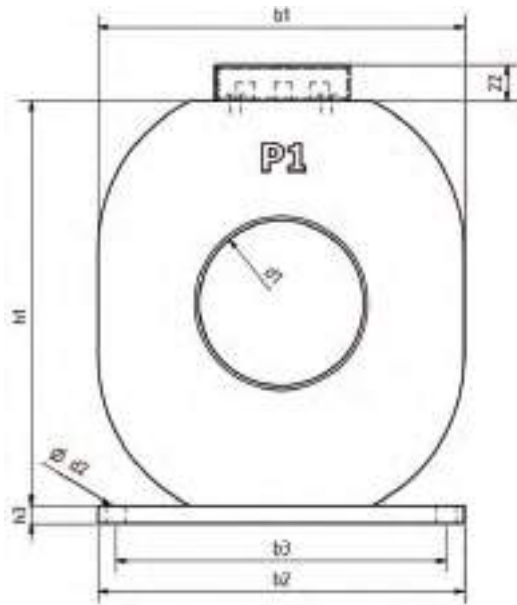
- Measuring systems fully hardened with Polyurethane resin
- The current transformers type CTR are intended for installation in low-voltage switchgear. In addition, there are customers who use these current transformers in medium-voltage switchgears, if the primary conductor is suitably insulated. Further applications are wind turbines, facilities for power generation on ships, power distribution systems, etc.
- The current transformers are manufactured in a standard version with a round window opening. But optionally a rectangular window opening for bus bar mounting is possible to produce.
- The secondary connection terminals are factory-fitted with M5 screws. A clear plastic cover serves as an touch protection.
- Protection type: Housing: IP54, Terminal cover: IP20
- Operating temperature:  $-5^\circ\text{C} < T < +50^\circ\text{C}$
- Storage temperature:  $-25^\circ\text{C} < T < +70^\circ\text{C}$
- Mounting of CT by means of a baseboard attached to the resin body (optionally: frontal threaded bushes)
- Packaging unit: 1 Stk.
- Customs tariff number: 85043129

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## Dimension drawings:



| x*  | y*               |
|-----|------------------|
| 60  | 30 <sup>1)</sup> |
| 90  | 60 <sup>1)</sup> |
| 120 | 90 <sup>1)</sup> |
| 150 | 120              |
| 200 | 170              |
| 250 | 220              |
| 300 | 270              |

\* Dimension x + y depends on the type and number of measuring systems installed.

<sup>1)</sup> Different dimensions for CTR 100, CTR 110 and CTR 120:

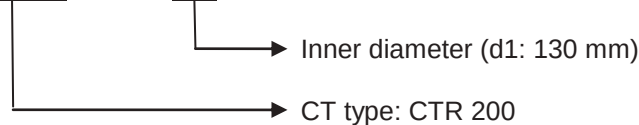
When y = 60 mm: y = 75 mm

When x = 90 mm: y = 105 mm

When x = 120 mm: y = 135 mm

## Determination of current transformer type:

Example: CTR 200 / 130



| CT type | b1  | b2  | b3  | max. d1 | d2 | h1  | h2   | h3 | max. depth  |
|---------|-----|-----|-----|---------|----|-----|------|----|-------------|
| CTR 100 | 100 | 100 | 80  | 60      | 9  | 110 | 55   | 5  | max. 120 mm |
| CTR 110 | 110 | 110 | 90  | 70      | 9  | 120 | 60   | 5  | max. 120 mm |
| CTR 120 | 120 | 120 | 100 | 75      | 9  | 130 | 65   | 5  | max. 120 mm |
| CTR 135 | 135 | 150 | 130 | 90      | 9  | 150 | 75   | 10 | max. 120 mm |
| CTR 150 | 150 | 150 | 130 | 110     | 9  | 165 | 82,5 | 10 | max. 150 mm |
| CTR 170 | 170 | 170 | 150 | 110     | 11 | 185 | 97,5 | 10 | max. 150 mm |
| CTR 200 | 200 | 200 | 180 | 140     | 11 | 220 | 110  | 10 | max. 200 mm |
| CTR 250 | 250 | 250 | 230 | 150     | 11 | 270 | 135  | 10 | max. 200 mm |
| CTR 300 | 300 | 300 | 280 | 210     | 11 | 330 | 165  | 10 | max. 250 mm |
| CTR 350 | 350 | 350 | 330 | 250     | 11 | 380 | 190  | 10 | max. 250 mm |
| CTR 400 | 400 | 400 | 370 | 300     | 13 | 430 | 215  | 15 | max. 300 mm |
| CTR 500 | 500 | 500 | 440 | 360     | 13 | 530 | 265  | 15 | max. 300 mm |



## CTO

### Split-core current transformer, fully resin-hardened for indoor applications

0.72 kV / 1.2 kV



#### Features / Benefits

- Split-core current transformer suitable for measuring or protection purposes, depending on the design of the CT
- The modular design of this series allows a large number of varieties within the different CT sizes (please see next page for details about the different dimensions)
- Max. operating voltage: 0.72/3/- kV or 1.2/6/- kV; if the primary conductor is suitably insulated the CT can also be used above 0.72 kV or 1.2 kV
- Primary current range: 30 A ... 5000 A
- Secondary currents: 1 A, 2 A or 5 A
- Rated burden: 1 VA ... 30 VA
- Accuracy classes: 0.2S; 0.2; 0.5S; 0.5; 1; 3
- Over-current rated limiting factor for measuring cores: FS5 or FS10
- Protection classes: 5P / 10P / PX
- Over-current rated limiting factor for protection cores: 5, 10, 15, 20, 30, 60

#### Dimensions:

Primary opening diameter: max. 360 mm  
Transformer width: 100 - 500 mm  
Transformer depth: 60 - 300 mm

Please see next page for details about the different dimensions.

#### General technical specifications:

Therm. nominal continuous rated current  $I_{cth}$ :  $1,0 \times I_N$  or  $1,2 \times I_N$ , other values upon request  
Therm. nominal short-time current  $I_{th}$ :  $100 \times I_N / 1 \text{ sec.}$ , max. 100kA, other values upon request  
Rated dynamic current  $I_{dyn}$ :  $2,5 \times I_{th}$   
Max. operating voltage  $U_m$ : 0,72 kV or 1,2 kV  
Isolation test voltage: 3 kV,  $U_{eff}$ , 50 Hz, 1 min. or 6 kV,  $U_{eff}$ , 50 Hz, 1 min.  
Rated frequency: 50 Hz or 60 Hz, other values upon request  
Isolation class: E  
Applicable technical standards: DIN EN 61869, part 1 + 2

#### Further information:

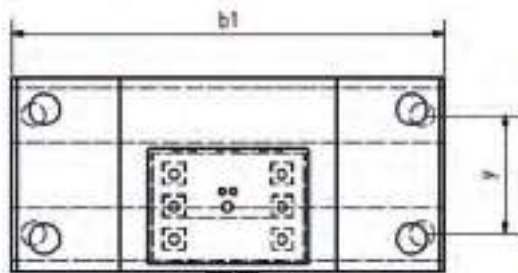
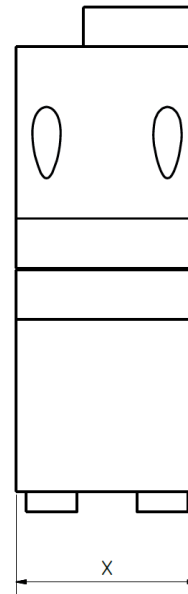
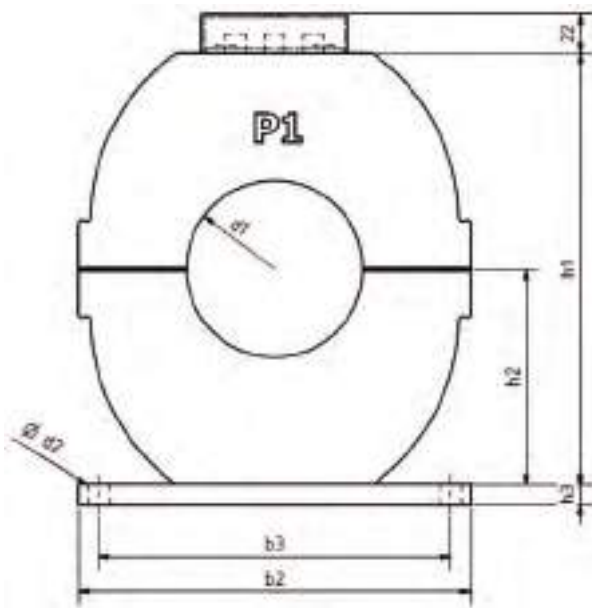
- Measuring systems fully hardened with Polyurethane resin
- The current transformers type CTO are intended for subsequent installation in existing low-voltage switchgear. In addition, there are customers who use these current transformers in medium-voltage switchgears, if the primary conductor is suitably insulated. Further applications are wind turbines, facilities for power generation on ships, power distribution systems, etc.
- The two parts of the current transformer are held together by four screws with springs or spring clips on the sides, which ensures a permanent contact pressure.
- The secondary connection terminals are factory-fitted with M5 screws. A clear plastic cover serves as an touch protection.
- Protection type: Housing: IP54, Terminal cover: IP20
- Operating temperature:  $-5^\circ\text{C} < T < +50^\circ\text{C}$
- Storage temperature:  $-25^\circ\text{C} < T < +70^\circ\text{C}$
- Mounting of CT by means of a baseboard attached to the resin body
- Packaging unit: 1 Stk.
- Customs tariff number: 85043129

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## Dimension drawings:



| x*  | y*               |
|-----|------------------|
| 90  | 60 <sup>1)</sup> |
| 120 | 90 <sup>1)</sup> |
| 150 | 120              |
| 200 | 170              |
| 250 | 220              |
| 300 | 270              |

\* Dimension x + y depends on the type and number of measuring systems installed.

<sup>1)</sup> Different dimensions for CTO 100 and CTO 120:

When x = 90 mm: y = 105 mm

When x = 120 mm: y = 135 mm

## Determination of current transformer type:

Example: CTO 200 / 130

Inner diameter (d1: 130 mm)

CT type: CTO 200

| CT type | b1  | b2  | b3  | max. d1 | d2 | h1  | h2   | h3 | max. depth  |
|---------|-----|-----|-----|---------|----|-----|------|----|-------------|
| CTO 100 | 100 | 100 | 60  | 50      | 6  | 120 | 60   | 3  | max. 120 mm |
| CTO 120 | 120 | 120 | 70  | 65      | 6  | 135 | 67,5 | 3  | max. 120 mm |
| CTO 135 | 135 | 150 | 120 | 90      | 9  | 150 | 75   | 10 | max. 120 mm |
| CTO 150 | 150 | 150 | 120 | 110     | 9  | 170 | 85   | 10 | max. 120 mm |
| CTO 170 | 170 | 170 | 150 | 110     | 11 | 185 | 92,5 | 10 | max. 120 mm |
| CTO 200 | 200 | 200 | 180 | 140     | 11 | 200 | 100  | 10 | max. 300 mm |
| CTO 250 | 250 | 250 | 230 | 160     | 11 | 290 | 145  | 10 | max. 300 mm |
| CTO 300 | 300 | 300 | 280 | 210     | 11 | 340 | 170  | 10 | max. 300 mm |
| CTO 350 | 350 | 350 | 330 | 270     | 11 | 390 | 195  | 10 | max. 300 mm |
| CTO 500 | 500 | 500 | 440 | 400     | 11 | 500 | 250  | 10 | max. 300 mm |

## Not as yet ascertained the most suitable transformer solution? Ask us!

MBS develops and manufactures a comprehensive range of individual, customized solutions of low-voltage measuring and protection current transformers.

The realization of all special solutions offered by MBS are carried out in compliance with the valid technical standards.

A well trained team of experienced employees assist you in searching and realizing your individual solution  
Ask us!



In order to attend fully to your inquiry, we ask you to furnish us with the following information:

- Transmission ratio ( $I_p / I_s$  [A])
- Required burden [VA]
- Necessary accuracy class  
Measuring transformer: Cl. 0,2s / 0,2 / 0,5s / 0,5 / 1 / 3  
Protection transformer: Cl. 5P / 10P / PX
- Thermal nominal short-time current  $I_{th}$
- Maximum permissible external size [mm]
- Minimum permissible inner size (at primary conductor) [mm]
- Maximum depth [mm]

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# Voltage transformers

|             |                 |
|-------------|-----------------|
| <b>MBEV</b> | 1-pole isolated |
| <b>MBER</b> |                 |
| <b>MBE</b>  |                 |

---

|             |                 |
|-------------|-----------------|
| <b>MBZV</b> | 2-pole isolated |
| <b>MBZR</b> |                 |
| <b>MBZ</b>  |                 |

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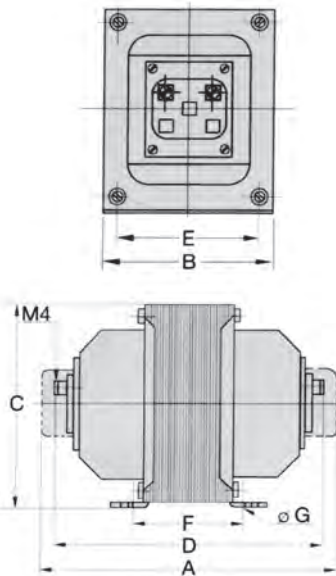
## Voltage transformers

### 1-pole isolated (not galvanically isolated)



| Rated voltage    | Secondary rated voltage 100 V/ $\sqrt{3}$ V |          |          |          |           |
|------------------|---------------------------------------------|----------|----------|----------|-----------|
| Type             | MBEV 6                                      | MBEV 10  | MBEV 20  | MBEV 50  | MBEV 100  |
| Accuracy class   | 1                                           | 0,5/1    | 0,5/1    | 0,5/1    | 0,5/1     |
| Burden           | VA 3                                        | VA 5/10  | VA 10/20 | VA 25/50 | VA 50/100 |
| Primary V        | Art.-no.                                    | Art.-no. | Art.-no. | Art.-no. | Art.-no.  |
| 100/ $\sqrt{3}$  | SEV1001                                     | SEV1010  | SEV1019  | SEV1028  | SEV1037   |
| 110/ $\sqrt{3}$  | SEV1002                                     | SEV1011  | SEV1020  | SEV1029  | SEV1038   |
| 220/ $\sqrt{3}$  | SEV1003                                     | SEV1012  | SEV1021  | SEV1030  | SEV1039   |
| 380/ $\sqrt{3}$  | SEV1004                                     | SEV1013  | SEV1022  | SEV1031  | SEV1040   |
| 400/ $\sqrt{3}$  | SEV1005                                     | SEV1014  | SEV1023  | SEV1032  | SEV1041   |
| 500/ $\sqrt{3}$  | SEV1006                                     | SEV1015  | SEV1024  | SEV1033  | SEV1042   |
| 600/ $\sqrt{3}$  | SEV1007                                     | SEV1016  | SEV1025  | SEV1034  | SEV1043   |
| 800/ $\sqrt{3}$  |                                             |          | SEV1026  | SEV1035  | SEV1044   |
| 1000/ $\sqrt{3}$ |                                             |          | SEV1027  | SEV1036  | SEV1045   |

### 2-pole isolated (galvanically isolated)



| Rated voltage  | Secondary rated voltage 100 V |          |          |           |            |
|----------------|-------------------------------|----------|----------|-----------|------------|
| Type           | MBZV 6                        | MBZV 10  | MBZV 20  | MBZV 50   | MBZV 100   |
| Accuracy class | 1                             | 0,5/1    | 0,5/1    | 0,5/1     | 0,5/1      |
| Burden         | VA 6                          | VA 10/20 | VA 20/40 | VA 50/100 | VA 100/200 |
| Primary V      | Art.-no.                      | Art.-no. | Art.-no. | Art.-no.  | Art.-no.   |
| 100            | SZV1001                       | SZV1010  | SZV1019  | SZV1028   | SZV1037    |
| 110            | SZV1002                       | SZV1011  | SZV1020  | SZV1029   | SZV1038    |
| 220            | SZV1003                       | SZV1012  | SZV1021  | SZV1030   | SZV1039    |
| 380            | SZV1004                       | SZV1013  | SZV1022  | SZV1031   | SZV1040    |
| 400            | SZV1005                       | SZV1014  | SZV1023  | SZV1032   | SZV1041    |
| 500            | SZV1006                       | SZV1015  | SZV1024  | SZV1033   | SZV1042    |
| 600            | SZV1007                       | SZV1016  | SZV1025  | SZV1034   | SZV1043    |
| 800            |                               |          | SZV1026  | SZV1035   | SZV1044    |
| 1000           |                               |          | SZV1027  | SZV1036   | SZV1045    |

#### Technical data of the standard design

|                            |                                                  |                                                                                  |
|----------------------------|--------------------------------------------------|----------------------------------------------------------------------------------|
| Standard                   | IEC 61869/1+3                                    |                                                                                  |
| Max. voltage for equipment | 0,72 kV up to 600 V – 1,2 kV up to 1000 V        |                                                                                  |
| Test voltage               | 0,72 kV/3 kV; 1 kV/6 kV                          |                                                                                  |
| Nominal frequency          | 50/60 Hz                                         |                                                                                  |
| Place of application       | Indoors up to 2000 m above normal sea level      |                                                                                  |
| Climatic conditions        | IEC 60721-3-3                                    | 3K4                                                                              |
| Mechanical conditions      | IEC 60721-3-3                                    | 3M3                                                                              |
| Vibration proof            | IEC 60068-2                                      | 2.5 g (25...100 Hz)                                                              |
| Isolation class            | IEC 60085                                        | E (120°C)                                                                        |
| Protection class           | IEC 60529                                        | Housing: IP 50<br>Terminal with cover: IP 20                                     |
| Isolating material         | UL E44423<br>UL E47960<br>UL E93687<br>UL E51047 | Copper coated wire<br>Winding contacts<br>Isolation coating<br>Imprinted coating |

| Type     | Housing in mm |     |     |     |     |    |     | Weight<br>kg | Standard accessories |
|----------|---------------|-----|-----|-----|-----|----|-----|--------------|----------------------|
|          | A             | B   | C   | D   | E   | F  | Ø G |              |                      |
| MBEV 6   | 140           | 85  | 100 | 125 | 68  | 52 | 4,5 | 2,3          | Terminal covers      |
| MBEV 10  | 165           | 90  | 105 | 145 | 70  | 67 | 4,5 | 3            |                      |
| MBEV 20  | 175           | 90  | 105 | 155 | 70  | 82 | 4,5 | 4,1          |                      |
| MBEV 50  | 195           | 105 | 125 | 175 | 81  | 95 | 5,5 | 6            |                      |
| MBEV 100 | 210           | 128 | 155 | 190 | 101 | 97 | 8   | 8            |                      |
| MBZV 6   | 140           | 85  | 100 | 125 | 68  | 52 | 4,5 | 2,3          | Terminal covers      |
| MBZV 10  | 165           | 90  | 105 | 145 | 70  | 67 | 4,5 | 3            |                      |
| MBZV 20  | 175           | 90  | 105 | 155 | 70  | 82 | 4,5 | 4,1          |                      |
| MBZV 50  | 195           | 105 | 125 | 175 | 81  | 95 | 5,5 | 6            |                      |
| MBZV 100 | 210           | 128 | 155 | 190 | 101 | 97 | 8   | 8            |                      |

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## Voltage transformers

1-pole isolated (not galvanically isolated)

| Rated voltage                                                                                                                                                |            |      | Secondary rated voltage 100 V/ $\sqrt{3}$ |          |     |          |     |          |     |          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|------|-------------------------------------------|----------|-----|----------|-----|----------|-----|----------|
| Primary V                                                                                                                                                    | Type       | Size | Accuracy class                            |          |     |          |     |          |     |          |
|                                                                                                                                                              |            |      | 0,2                                       |          | 0,5 |          | 1   |          | 3   |          |
|                                                                                                                                                              |            |      | VA                                        | Art.-no. | VA  | Art.-no. | VA  | Art.-no. | VA  | Art.-no. |
| 100 V/ $\sqrt{3}$<br>110 V/ $\sqrt{3}$<br>200 V/ $\sqrt{3}$<br>220 V/ $\sqrt{3}$<br>230 V/ $\sqrt{3}$<br>corresponding<br>isolation level<br>$U_m = 0,72$ kV | MBER 60    | 2    | –                                         | –        | –   | –        | 0,5 | SE1001   | 1,5 | SE1002   |
|                                                                                                                                                              | MBER 70    |      | 0,2                                       | SE1003   | 0,5 | SE1004   | 1   | SE1005   | 3   | SE1006   |
|                                                                                                                                                              | MBER 100   |      | 1                                         | SE1007   | 2,5 | SE1008   | 5   | SE1009   | 15  | SE1010   |
|                                                                                                                                                              | MBER 104   |      | 5                                         | SE1011   | 15  | SE1012   | 30  | SE1013   | 30  | SE1014   |
|                                                                                                                                                              | MBE 100    |      | –                                         | –        | 10  | SE1015   | 15  | SE1016   | 50  | SE1017   |
|                                                                                                                                                              | MBE 150    | 1    | 7,5                                       | SE1018   | 20  | SE1019   | 50  | SE1020   | 120 | SE1021   |
|                                                                                                                                                              | MBE 150    | 2    | 10                                        | SE1022   | 30  | SE1023   | 60  | SE1024   | 150 | SE1025   |
|                                                                                                                                                              | MBE 150    | 3    | 15                                        | SE1026   | 50  | SE1027   | 100 | SE1028   | 200 | SE1029   |
|                                                                                                                                                              | MBE 150    | 4    | 25                                        | SE1030   | 60  | SE1031   | 120 | SE1032   | 250 | SE1033   |
| 380 V/ $\sqrt{3}$ ; 400 V/ $\sqrt{3}$<br>500 V/ $\sqrt{3}$ ; 600 V/ $\sqrt{3}$<br>660 V/ $\sqrt{3}$<br>corresponding<br>isolation level<br>$U_m = 0,72$ kV   | MBER 100   |      | 0,5                                       | SE1034   | 1,5 | SE1035   | 3   | SE1036   | 10  | SE1037   |
|                                                                                                                                                              | MBER 104   |      | 5                                         | SE1038   | 10  | SE1039   | 25  | SE1040   | 25  | SE1041   |
|                                                                                                                                                              | MBE 100    |      | –                                         | –        | 10  | SE1042   | 15  | SE1043   | 50  | SE1044   |
|                                                                                                                                                              | MBE 150    | 1    | 7,5                                       | SE1045   | 20  | SE1046   | 50  | SE1047   | 120 | SE1048   |
|                                                                                                                                                              | MBE 150    | 2    | 10                                        | SE1049   | 30  | SE1050   | 60  | SE1051   | 150 | SE1052   |
|                                                                                                                                                              | MBE 150    | 3    | 15                                        | SE1053   | 50  | SE1054   | 100 | SE1055   | 200 | SE1056   |
|                                                                                                                                                              | MBE 150    | 4    | 25                                        | SE1057   | 60  | SE1058   | 120 | SE1059   | 250 | SE1060   |
|                                                                                                                                                              |            |      |                                           |          |     |          |     |          |     |          |
| 690 V/ $\sqrt{3}$<br>750 V/ $\sqrt{3}$<br>1000 V/ $\sqrt{3}$<br>corresponding<br>isolation level<br>$U_m = 1,2$ kV                                           | MBER 100/1 |      | –                                         | –        | 1   | SE1061   | 2   | SE1062   | 5   | SE1063   |
|                                                                                                                                                              | MBER 104/1 |      | 5                                         | SE1064   | 10  | SE1065   | 25  | SE1066   | 25  | SE1067   |
|                                                                                                                                                              | MBE 100/1  |      | –                                         | –        | 7,5 | SE1068   | 15  | SE1069   | 30  | SE1070   |
|                                                                                                                                                              | MBE 150/1  | 1    | 7,5                                       | SE1071   | 20  | SE1072   | 45  | SE1073   | 100 | SE1074   |
|                                                                                                                                                              | MBE 150/1  | 2    | 10                                        | SE1075   | 30  | SE1076   | 60  | SE1077   | 120 | SE1078   |
|                                                                                                                                                              | MBE 150/1  | 3    | 15                                        | SE1079   | 45  | SE1080   | 90  | SE1081   | 150 | SE1082   |
|                                                                                                                                                              | MBE 150/1  | 4    | 20                                        | SE1083   | 60  | SE1084   | 100 | SE1085   | 180 | SE1086   |

Additional charges for special configurations

Auxiliary winding for production of an open delta winding (VA rating of measuring winding reduced by approx. 30 %):  $.../\sqrt{3}/.../\sqrt{3}/100/\sqrt{3}$  V

| Typ     | Size | Long time current |
|---------|------|-------------------|
| MBE 150 | –    | 1 A / 8 h         |

| Typ     | Size | Long time current |
|---------|------|-------------------|
| MBE 100 | –    | 1 A / 8 h         |
| MBE 150 | 1    | 5 A / 8 h         |
| MBE 150 | 2    | 6 A / 8 h         |
| MBE 150 | 3    | 8 A / 8 h         |

Interim voltage transformer for production of an open delta winding (without measuring winding):  $100/\sqrt{3}/100/\sqrt{3}$  V

| Typ                | Tropical design | Resin hardened |
|--------------------|-----------------|----------------|
| MBE (Z) R 60       |                 |                |
| MBE (Z) R 70       |                 |                |
| MBE (Z) R 100 (/1) |                 |                |
| MBE (Z) R 104 (/1) |                 |                |
| MBE (Z) 100 (/1)   |                 | –              |
| MBE (Z) 150 (/1)   |                 | –              |

Snap-on mounting for:

Joint foot mounting for::

| Typ          |
|--------------|
| MBE (Z) R 60 |
| MBE (Z) R 70 |

| Typ          |
|--------------|
| MBE (Z) R 70 |

Further configurations upon request

## Voltage transformers

2-pole isolated (galvanically isolated)

| Rated voltage                                                                  | TypeSize   |    | Secondary rated voltage 100 V |          |        |          |        |          |        |          | $P_i$<br>VA | $L_{2th}$<br>A |
|--------------------------------------------------------------------------------|------------|----|-------------------------------|----------|--------|----------|--------|----------|--------|----------|-------------|----------------|
| Primary V                                                                      |            |    | Accuracy class                |          |        |          |        |          |        |          |             |                |
|                                                                                |            |    | 0,2                           |          | 0,5    |          | 1      |          | 3      |          |             |                |
|                                                                                |            |    | VA                            | Art.-no. | VA     | Art.-no. | VA     | Art.-no. | VA     | Art.-no. |             |                |
| 100, 110, 200, 220, 230<br>corresponding<br>isolation level<br>$U_m = 0,72$ kV | MBZR 60    | 2  | –                             | –        | 0,5    | SZ1001   | 1      | SZ1002   | 3      | SZ1003   | 0,5         | 0,4            |
|                                                                                | MBZR 70    |    | 1                             | SZ1004   | 2,5    | SZ1005   | 5      | SZ1006   | 15     | SZ1007   | 2           | 0,5            |
|                                                                                | MBZR 100   |    | 2                             | SZ1008   | 5      | SZ1009   | 10     | SZ1010   | 25     | SZ1011   | 2,5         | 0,8            |
|                                                                                | MBZR 104   |    | 5                             | SZ1012   | 15     | SZ1013   | 30     | SZ1014   | 30     | SZ1015   | 3           | 0,9            |
|                                                                                | MBZ 100    |    | –                             | –        | 15     | SZ1016   | 30     | SZ1017   | 60     | SZ1018   | 9           | 1              |
|                                                                                | MBZ 150    | 1  | 10                            | SZ1019   | 25     | SZ1020   | 60     | SZ1021   | 150    | SZ1022   | 12          | 3              |
|                                                                                | MBZ 150    | 2  | 15                            | SZ1023   | 45     | SZ1024   | 90     | SZ1025   | 200    | SZ1026   | 15          | 3              |
|                                                                                | MBZ 150    | 3  | 20                            | SZ1027   | 60     | SZ1028   | 120    | SZ1029   | 250    | SZ1030   | 18          | 3              |
| MBZ 150                                                                        | 4          | 30 | SZ1031                        | 75       | SZ1032 | 150      | SZ1033 | 300      | SZ1034 | 24       | 3           |                |
|                                                                                |            |    |                               |          |        |          |        |          |        |          |             |                |
| 380, 400, 500, 600, 660<br>corresponding<br>isolation level<br>$U_m = 0,72$ kV | MBZR 60    | 2  | –                             | –        | *      | *        | 1      | SZ1035   | 3      | SZ1036   | 0,5         | 0,4            |
|                                                                                | MBZR 70    |    | 0,5                           | SZ1037   | 1,25   | SZ1038   | 2,5    | SZ1039   | 7,5    | SZ1040   | 1,5         | 0,5            |
|                                                                                | MBZR 100   |    | 1,5                           | SZ1041   | 3      | SZ1042   | 10     | SZ1043   | 20     | SZ1044   | 2           | 0,8            |
|                                                                                | MBZR 104   |    | 5                             | SZ1045   | 10     | SZ1046   | 25     | SZ1047   | 25     | SZ1048   | 2,5         | 0,9            |
|                                                                                | MBZ 100    |    | –                             | –        | 15     | SZ1049   | 30     | SZ1050   | 60     | SZ1051   | 9           | 1              |
|                                                                                | MBZ 150    | 1  | 10                            | SZ1052   | 25     | SZ1053   | 60     | SZ1054   | 150    | SZ1055   | 12          | 3              |
|                                                                                | MBZ 150    | 2  | 15                            | SZ1056   | 45     | SZ1057   | 90     | SZ1058   | 200    | SZ1059   | 15          | 3              |
|                                                                                | MBZ 150    | 3  | 20                            | SZ1060   | 60     | SZ1061   | 120    | SZ1062   | 250    | SZ1063   | 18          | 3              |
| MBZ 150                                                                        | 4          | 30 | SZ1064                        | 75       | SZ1065 | 150      | SZ1066 | 300      | SZ1067 | 24       | 3           |                |
|                                                                                |            |    |                               |          |        |          |        |          |        |          |             |                |
| 690, 750, 1000<br>corresponding<br>isolation level<br>$U_m = 1,2$ kV           | MBZR 60/1  | 2  | –                             | –        | *      | *        | *      | *        | *      | *        | 0,5         | 0,4            |
|                                                                                | MBZR 70/1  |    | *                             | *        | *      | *        | *      | *        | *      | *        | 1,5         | 0,5            |
|                                                                                | MBZR 100/1 |    | 1                             | SZ1068   | 2,5    | SZ1069   | 5      | SZ1070   | 15     | SZ1071   | 1,5         | 0,8            |
|                                                                                | MBZR 104/1 |    | 5                             | SZ1072   | 10     | SZ1073   | 25     | SZ1074   | 25     | SZ1075   | 2,5         | 0,9            |
|                                                                                | MBZ 100/1  |    | –                             | –        | 7,5    | SZ1076   | 15     | SZ1077   | 30     | SZ1078   | 9           | 0,8            |
|                                                                                | MBZ 150/1  | 1  | 7,5                           | SZ1079   | 20     | SZ1080   | 50     | SZ1081   | 120    | SZ1082   | 12          | 2              |
|                                                                                | MBZ 150/1  | 2  | 10                            | SZ1083   | 30     | SZ1084   | 60     | SZ1085   | 150    | SZ1086   | 15          | 2              |
|                                                                                | MBZ 150/1  | 3  | 15                            | SZ1087   | 45     | SZ1088   | 100    | SZ1089   | 200    | SZ1090   | 18          | 2              |
| MBZ 150/1                                                                      | 4          | 20 | SZ1091                        | 60       | SZ1092 | 120      | SZ1093 | 250      | SZ1094 | 24       | 2           |                |

\* upon request

| Technical data of the standard design |                                             |                                              |                    |
|---------------------------------------|---------------------------------------------|----------------------------------------------|--------------------|
| Standard                              | IEC 61869/1+3                               |                                              |                    |
| Max. voltage for equipment            | $U_m$ 0,72 kV<br>( $U_m$ 1,2 kV)            | MBE... MBZ...                                | MBE.../1, MBZ.../1 |
| Test voltage                          | 3 kV, 50 Hz, 1 min<br>(6 kV, 50 Hz, 1 min)  |                                              |                    |
| Nominal frequency                     | 50...60 Hz                                  |                                              |                    |
| Place of application                  | Indoors up to 2000 m above normal sea level |                                              |                    |
| Climatic conditions                   | IEC 721                                     | 3K4                                          |                    |
| Mechanical conditions                 | IEC 721                                     | 3K3                                          |                    |
| Vibration proof                       | IEC 68-2                                    | 2,5 g (25...100 Hz)                          |                    |
| Isolation class                       | DIN IEC 85<br>VDE 0301-1                    | E 120 °C                                     |                    |
| Protection class                      | IEC EN 60529<br>DIN VDE 0470                | Housing: IP 50<br>Terminal with cover: IP 20 |                    |

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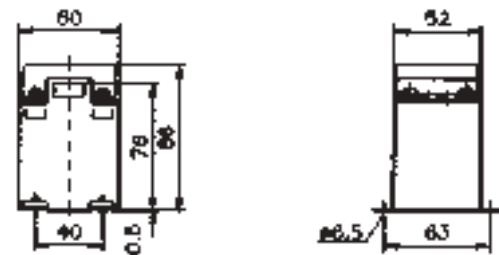
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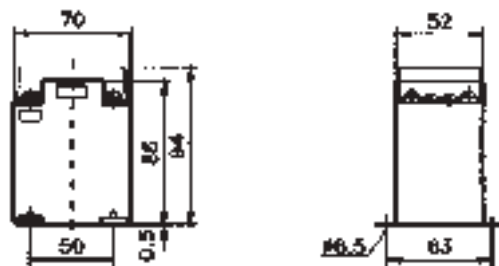
## Voltage transformers

| Type          | Size | Housing in mm |        |       |    | Weight<br>kg | Standard accessories             |
|---------------|------|---------------|--------|-------|----|--------------|----------------------------------|
|               |      | Width         | Height | Depth | h  |              |                                  |
| MBZR 60 (/1)  | 2    | 60            | 78     | 52    |    | 0,5          | Foot mounting<br>Terminal covers |
| MBZR 70 (/1)  |      | 70            | 86     | 52    |    | 0,6          |                                  |
| MBZR 100 (/1) |      | 100           | 118    | 73    |    | 1,1          |                                  |
| MBZR 104 (/1) |      | 104           | 127    | 75    |    | 2,0          |                                  |
| MBZ 100 (/1)  |      | 102           | 105    | 111   |    | 3,1          |                                  |
| MBZ 150 (/1)  | 1    | 150           | 123    | 142   | 40 | 7,0          |                                  |
| MBZ 150 (/1)  | 2    | 150           | 123    | 152   | 50 | 8,0          |                                  |
| MBZ 150 (/1)  | 3    | 150           | 123    | 162   | 60 | 9,0          |                                  |
| MBZ 150 (/1)  | 4    | 150           | 123    | 182   | 80 | 11,5         |                                  |

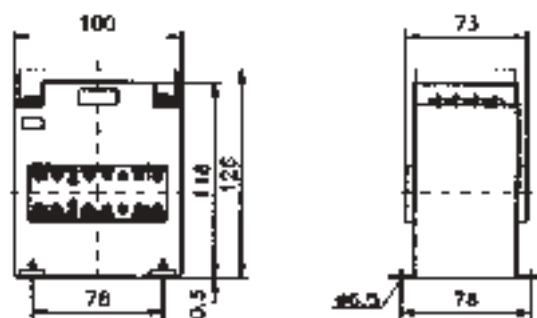
**MBZR 60 (/1)**  
**(MBER 60)**



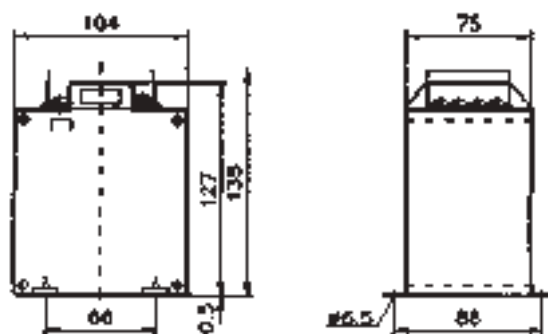
**MBZR 70 (/1)**  
**(MBER 70)**



**MBZR 100 (/1)**  
**(MBER 100)**



**MBZR 104 (/1)**  
**[MBER 104 (/1)]**



### Order example

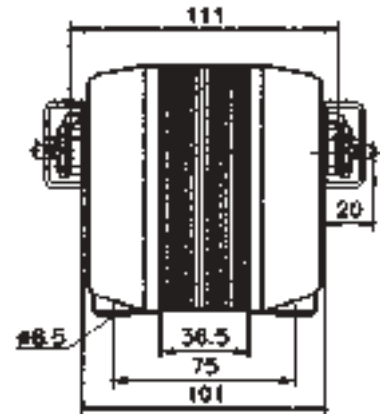
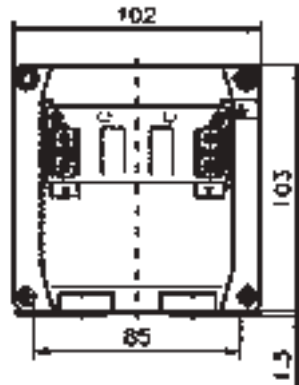
Type  
Rated transmission ratio  
Rated burden  
Accuracy class  
Art.-no.

**MBZR 60**  
**200/100 V**  
**0,5 VA**  
**0,5**  
**SZ1001-200**

## Voltage transformers

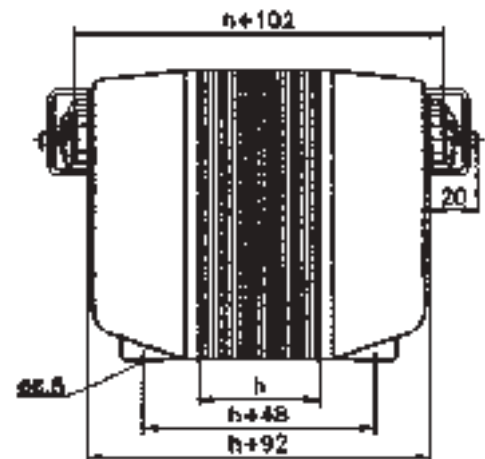
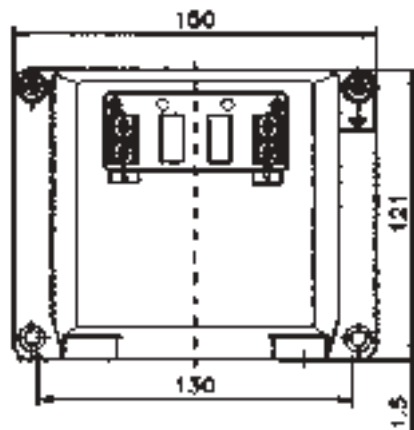
| Type          | Size | Housing in mm |        |       |    | Weight<br>kg | Standard accessories             |
|---------------|------|---------------|--------|-------|----|--------------|----------------------------------|
|               |      | Width         | Height | Depth | h  |              |                                  |
| MBER 60 (/1)  | 2    | 60            | 78     | 52    |    | 0,5          | Foot mounting<br>Terminal covers |
| MBER 70 (/1)  |      | 70            | 86     | 52    |    | 0,6          |                                  |
| MBER 100 (/1) |      | 100           | 118    | 73    |    | 1,1          |                                  |
| MBER 104 (/1) |      | 104           | 127    | 75    |    | 2,0          |                                  |
| MBE 100 (/1)  |      | 102           | 105    | 111   |    | 3,1          |                                  |
| MBE 150 (/1)  | 1    | 150           | 123    | 142   | 40 | 7,0          |                                  |
| MBE 150 (/1)  | 2    | 150           | 123    | 152   | 50 | 8,0          |                                  |
| MBE 150 (/1)  | 3    | 150           | 123    | 162   | 60 | 9,0          |                                  |
| MBE 150 (/1)  | 4    | 150           | 123    | 182   | 80 | 11,5         |                                  |

**MBE 100 (/1)**  
**[MBZ 100 (/1)]**



**MBE 150 (/1)**  
**[MBZ 150 (/1)]**

Size 1 –  
Size 4



### Order example

Type

**MBE 100/1**

Transmission ratio

**750/√3 / 100/√3**

Rated burden

**15 VA**

Accuracy class

**1**

Art.-no.

**SE1069-750**

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## Notes

[illegible]



- Current transformers for industry
- Current transformers for tariff
- Accessories for current transformers
- Medium-voltage CTs
- Bus bar insulators / -supports
- Shunts
- Voltage transformers
- All current sensors
- Measuring transducers
- Energy meters with or without MID approval
- Accessories for energy meters
- Panel board heaters, filter fans, roof fans and control units



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