



A Phoenix Mecano Company

LOW VOLTAGE CURRENT TRANSFORMERS



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PRODUCT OVERVIEW REGULUS SERIES

Type	Primary currents	Round conductor dimensions	Bus bar dimensions	Dimensions in mm (L x W x H)	Page
4R21.3	50...500 A	21 mm	-/-	44 x 30 x 66	13
6A315.3	75...750 A	28 mm	30 x 15 mm 20 x 20 mm	60 x 30 x 80	14
6A412.3	150...800 A	33 mm	40 x 12 mm 2 x 30 x 10 mm	60 x 30 x 80	15
7A412.3	80...1000 A	33 mm	40 x 12 mm 2 x 30 x 10 mm	70 x 30 x 90	16
7A512.3	150...1000 A	42 mm	50 x 12 mm 2 x 40 x 10	70 x 30 x 90	17
8A512.3	150...1500 A	42 mm	50 x 12 mm 2 x 40 x 10 mm	85 x 30 x 108	18
8A615.3	200...1600 A	52 mm	60 x 15 mm 2 x 50 x 10 mm 40 x 40 mm	85 x 30 x 108	19
9A615.3	200...2500 A	53 mm	63 x 15 mm 2 x 50 x 10 mm 40 x 40 mm	95 x 30 x 121	20
9A640.3	200...2000 A	61 mm	60 x 40 mm 50 x 50 mm	96 x 30 x 121	21
10A815.3	400...2500 A	61 mm	80 x 15 mm 2 x 60 x 10 mm 3 x 50 x 10 mm	105 x 30 x 132	22
10A830.3	400...2500 A	70 mm	2 x 80 x 10 mm 60 x 60 mm	105 x 30 x 132	23
13A1030.3	400...4000 A	85 mm	2 x 100 x 10 mm 80 x 60 mm	129 x 30 x 156	24
13A1056.3	400...4000 A	-/-	3 x 100 x 12 mm	129 x 30 x 156	25
16A1234.3	400...4000 A	96 mm	2 x 120 x 10 mm 3 x 100 x 10 mm 80 x 80 mm	159 x 30 x 188	26
16A1272.3	400...6000 A	-/-	4 x 120 x 10 mm	159 x 30 x 188	27
20A1456.5	2000...7000 A	-/-	140 x 50 mm 3 x 140 x 10 mm	200 x 50 x 160	28
6W0.3	1...40 A	-/-	-/-	60 x 30 x 80	29

PRODUCT OVERVIEW REGULUS IPNG

Type	Primary currents	Round conductor dimensions	Bus bar dimensions	Dimensions in mm (L x W x H)	Page
IPN30	50...600 A	28 mm	30 x 10 mm	60 x 35 x 75 mm	35
IPA30	60...600 A	23 mm	30 x 10 mm 25 x 25 mm	70 x 35 x 86 mm	36
IPA30.5	40...300 A	23 mm	30 x 10 mm 25 x 25 mm	70 x 49 x 86 mm	37
IPA40	50...1000 A	30 mm	40 x 10 mm 30 x 15 mm 25 x 20 mm	70 x 35 x 86 mm	38
IPA40.5	60...1000 A	30 mm	40 x 10 mm 30 x 15 mm 25 x 20 mm	70 x 49 x 86 mm	39

REGULUS SERIES



GENERAL FEATURES

All current transformers comply with the standards IEC 61869 and DIN 42600 as well as with the DIN EN 50274.

GENERAL MECHANICAL FEATURES:

- Break-proof fiber-reinforced polyamide enclosure
- Flame retardant according to UL 94
- Nickel-plated secondary terminals with cross-head screws (2 Nm)

GENERAL ELECTRICAL FEATURES:

- Highest voltage for equipment $U_m = 0,72\text{kV}$
(other voltages on request)
- Rated frequency withstand voltage (RMS)
3kV / 1 min (other voltages on request)
- Rated frequencies 50-60Hz
(other frequencies on request)
- Rated continuous thermal current $I_{cth} = 1,2 \times I_{pr}$
($1,0 \times I_{pr}$ for higher primary currents)
- Rated short-time thermal current $I_{th} = 60 \times I_{pr} / 1s$
(max. 100 kA/1s)
- Rated dynamic current $I_{dyn} = 2,5 \times I_{th}$
- Instrument security factor FS5 to FS15
- Temperature rise limit class H
(other classes on request)

ACCESSORIES (INCLUDED):

- Secondary terminal covers
- Bus bar fixing device
- Mounting feet

OPTIONAL:

- Fiber-reinforced polyamide snap-on mounting brackets for the installation on DIN rail TS35 acc. to DIN EN 60715
- Copper tubes in various sizes for using the CT as a tube type current transformer
- Primary copper bus bars in various sizes
- Insulating caps for the protection of the bus bar mounting pins
- Protective terminal cover to increase the clearance and creepage distances when using the CT as a tube type CT
- REDUR quick fastening device

REGULUS FEATURES

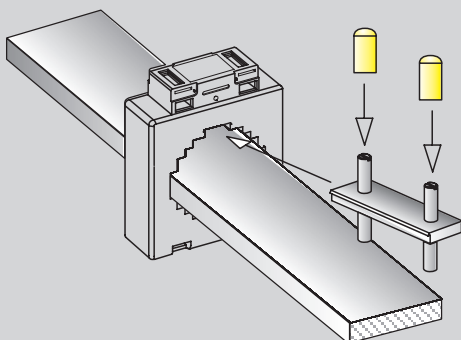
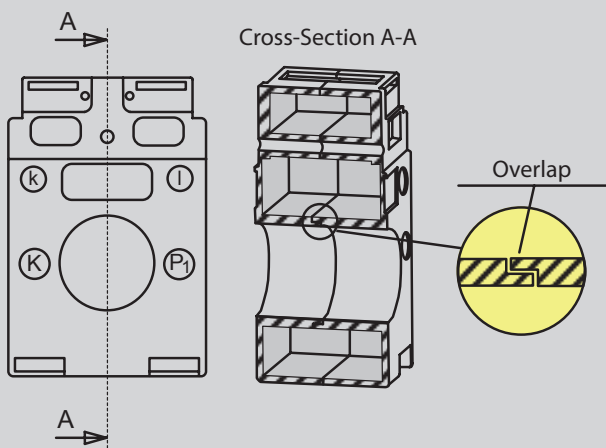
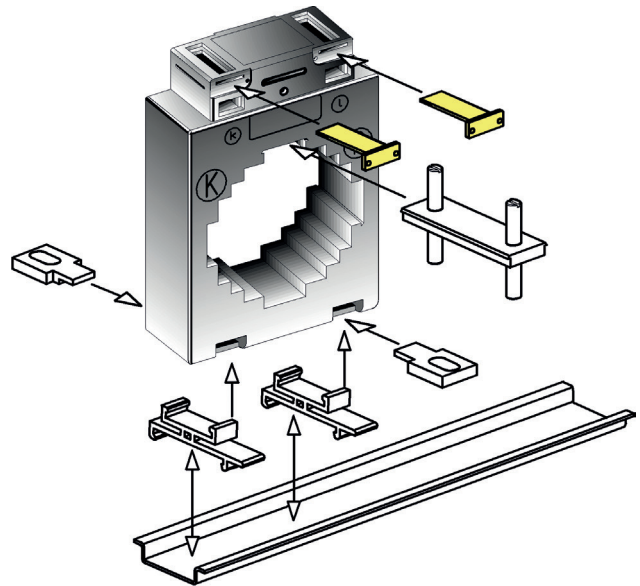
REGULUS current transformers are the world's most compact and versatile designs for applications with increased safety requirements.

COMPACTNESS

All our REGULUS current transformers feature a depth of only 30 mm. Various designs of window openings are available to cover a wide range of different bus bar and cable sizes.

VERSATILITY

We offer a fixing device with a form-locking guide for mounting the current transformer on the bus bar. If space is limited, the fixing device can be simply removed.



INCREASED SAFETY

The point where the two halves of the current transformer enclosures join and form the window for the bus bars is crucial to safety. Therefore, the halves of the enclosure are not butt-joined but made to overlap.

INSULATING CAPS

To protect against unintended contact, the mounting screws of the bus bar fixing device can be covered by insulating caps (optionally available). These can be put on the mounting screws after the current transformer has been mounted on the bus bar.

REDUR SECONDARY TERMINAL

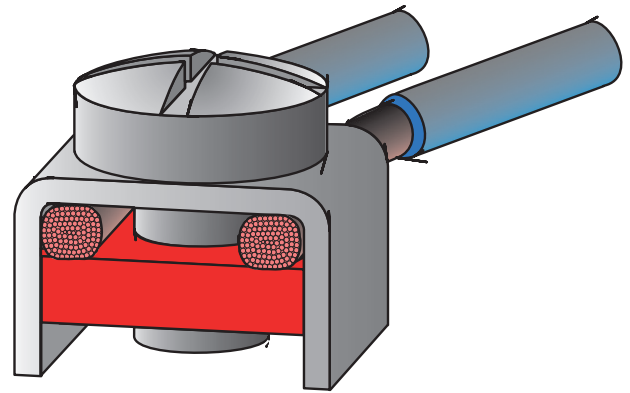
Our clamping system transmits the force by means of a nut (pad) to the cable head (lift principle). Therefore the wire is only exposed to pressure and cannot be damaged by rotating components.

Two clamping spaces of 2,5 mm x 4 mm cross-section each are available.

The cable ends are clamped across a large area ensuring a low contact resistance. Pressure forces of several hundred Newton are reached. Therefore, conductors even with multiple, fine and extremely fine wires are well compressed so that no corrosion can occur by penetrating harmful gases. Our secondary terminal provides therefore an extremely long-lasting connection even in aggressive industrial environments.

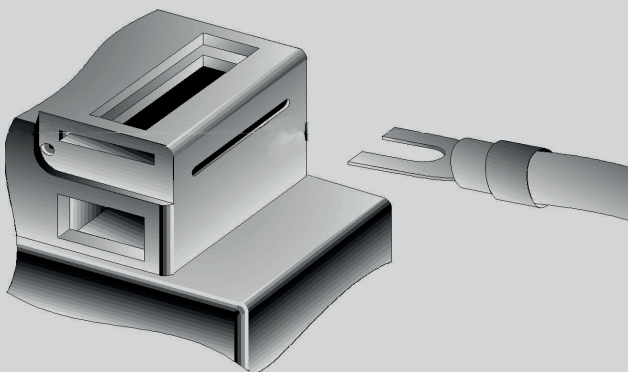
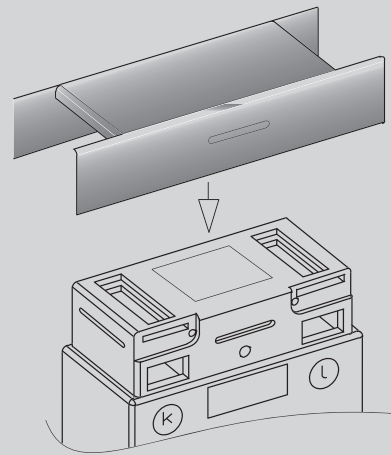
The cross-head slot of the M5 screw allows ease of handling. The fastening torque is 2 Nm. Both, screws and nuts are designed in such a way that unintentional loosening is prevented.

The secondary terminals are made of nickel-plated brass and feature a double terminal design, which permits the short-circuiting of the current transformer during operation. Work on the secondary circuit is made easy.



SECONDARY TERMINAL SLOTS

Secondary wires are normally mounted on the terminal block through the square slots either on the front or back side of the current transformer. The lateral slots can also be used for mounting with a cable lug in case the current transformer is mounted for example behind a fuse panel.



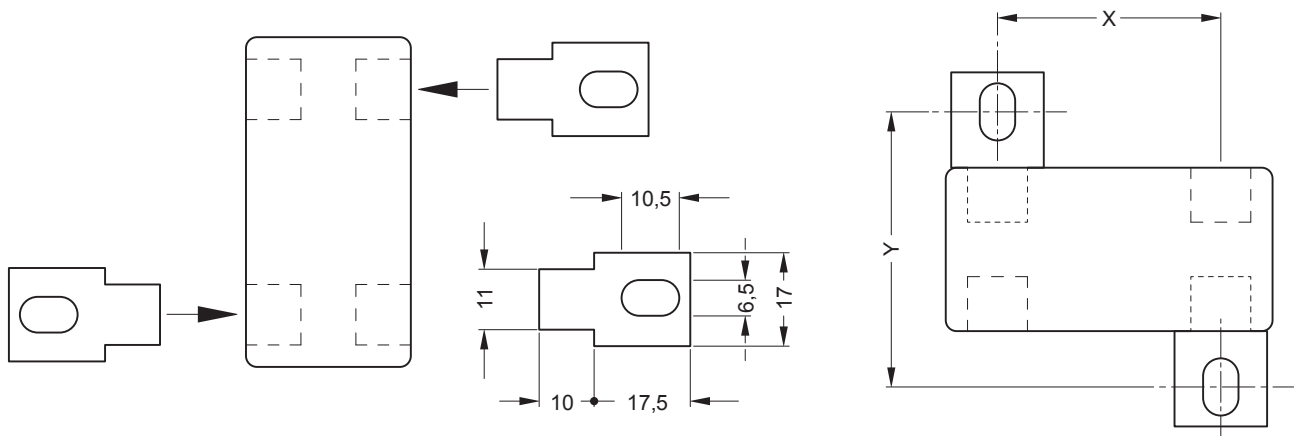
EXTENDED SECONDARY TERMINAL COVER

When using the current transformer as a tube type CT, e.g. behind a fuse panel, it may be desirable to increase the clearance and creepage distances between the secondary terminals and bus bars. This can be accomplished by adding REDUR's extended secondary terminal cover which covers the front and back terminal slots.

MOUNTING PATTERN

MOUNTING PATTERN

Our sophisticated design allows the mounting of our current transformers within seconds. The listed dimensions apply when the mounting feet are well inserted into the designated slots.



CT Type	x
4R...	26 mm
6A..., 6W...	40 mm
7A..., 8A...	46 mm
9A..., 10A...	59 mm
13A..., 16A...	69 mm

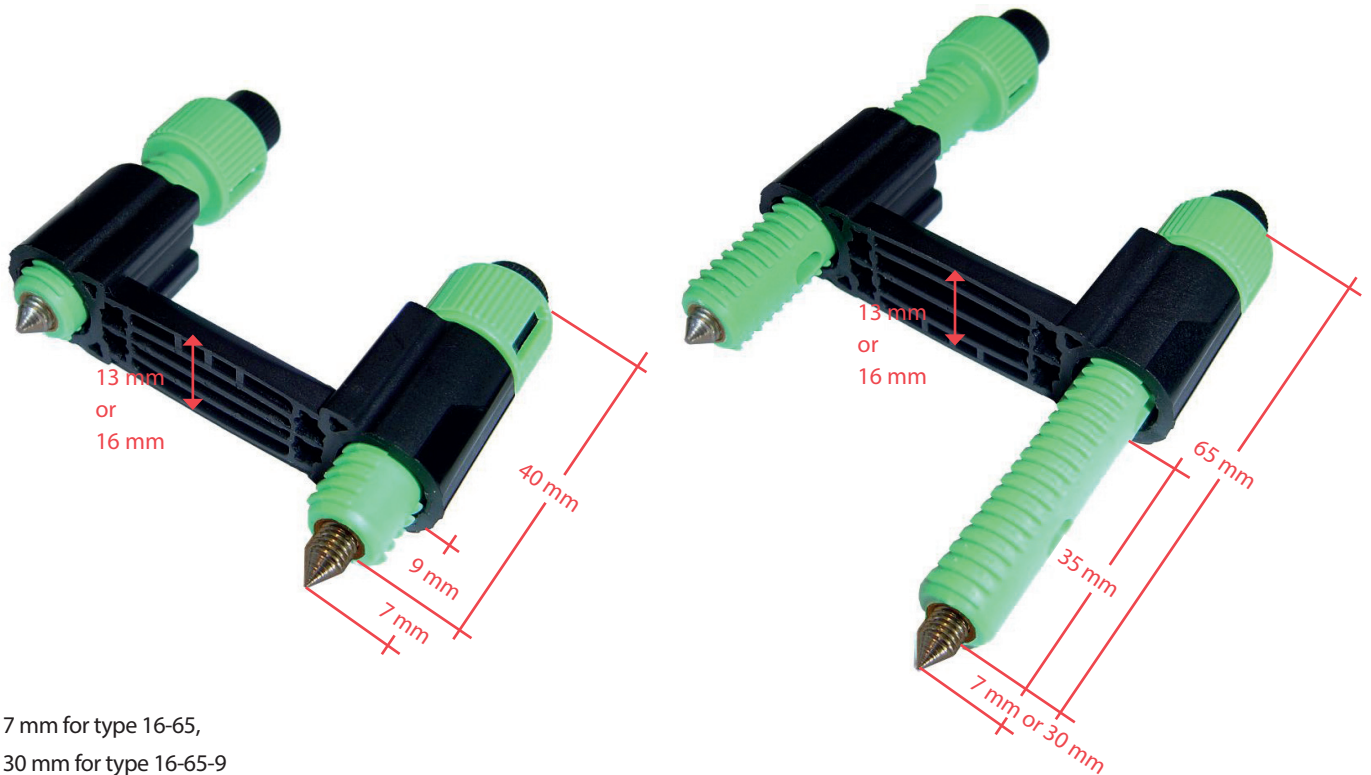
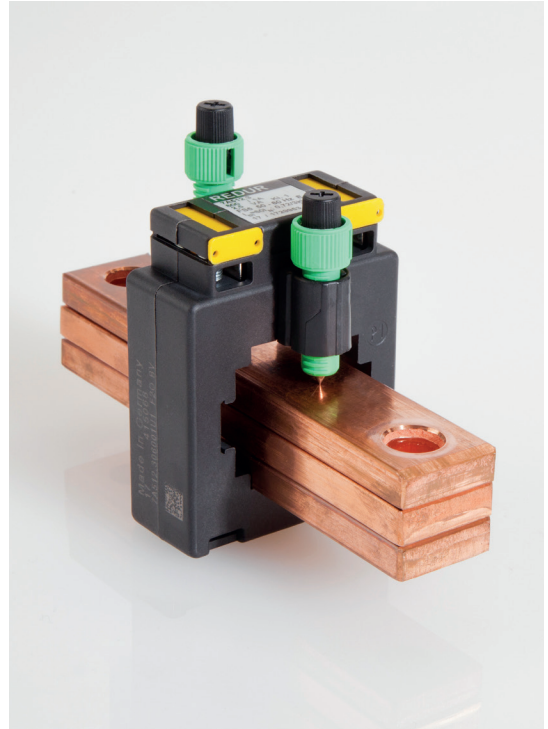
CT Thickness	y
30 mm	50,5 mm

REDUR QUICK FASTENING DEVICE

Usually current transformers are fixed to the bus bar with threaded pins. To align the current transformer it is required to tighten the mounting screws alternately. This can be very time consuming especially if the CT's window opening is large and the CT is provided with long fixing pins.

REDUR here offers a quick fastening device for all REGULUS current transformers which allows a fast mounting and alignment. It is inserted in the bus bar window and its fixing pins are pushed towards the bus bar. Preliminary fastening is done by a quarter turn of the pins to the right. Final fixing is accomplished with the black rotary buttons. Finger force is sufficient for the final fixing. However the pins feature also a slot allowing as well the use of a screwdriver.

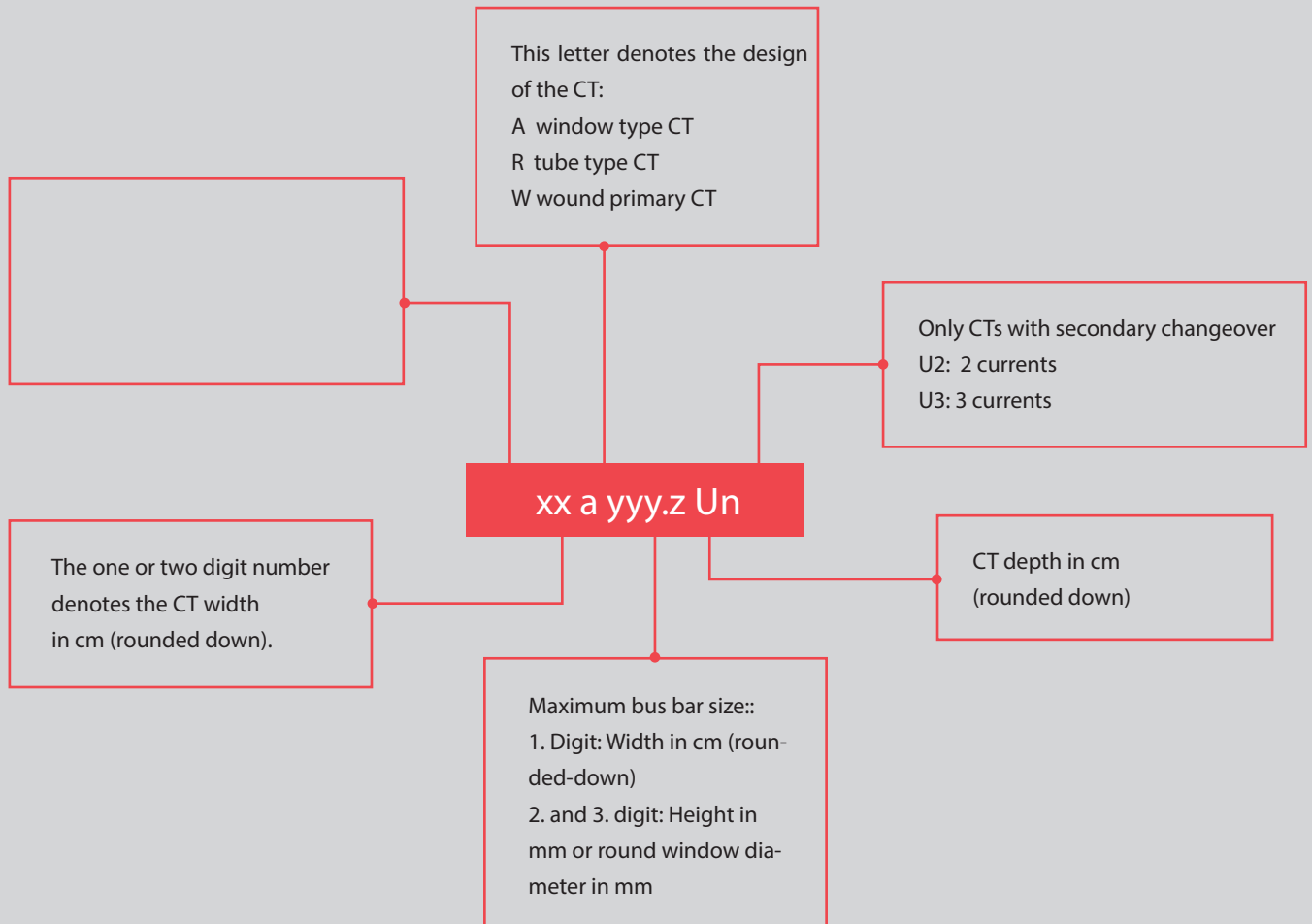
There are 5 versions of quick fastening devices available, corresponding to the different current transformer sizes. Please pay attention to the minimum height of the bus bars when using our quick fastening device along with our 13A and 16A type current transformers.



7 mm for type 16-65,
30 mm for type 16-65-9

REGULUS DENOTATION KEY

The following denotation key is used for the REGULUS current transformers:



EXAMPLES:

8A615.3 means:

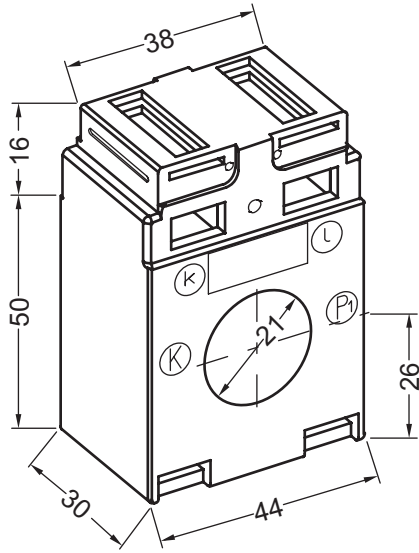
Window type CT, rounded width 8 cm (actually 85 mm), for max. bus bar size 60 x 15 mm, depth 3 cm

7A412.3 U3 means:

Window type CT, rounded width 7 cm, for max. bus bar size 40 x 12 mm, depth 3 cm, with 3 primary current changeover functions

4R21.3 means:

Window type or tube type CT with round window with diameter of 21 mm, rounded width 4 cm (actually 44 mm), depth 3 cm



INFORMATION:

- Weight approx. 150-200 g
- Round conductor 21 mm

ACCESSORIES (INCLUDED):

- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I_{sr}	Cl.	PRIMARY RATED CURRENT I_{Pr}													A				
		40	50	60	75	80	100	125	150	200	250	300	400	500					
5A	3	1	1,25																
	1		1	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
	0,5						1,25	1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
							1,5	2,0	2,5	5	5	5	5	5	5	5	5	5	5
	0,5S										2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
											3,75	5	5	5	5	5	5	5	5
	0,2													2,5	2,5	2,5	2,5	2,5	2,5
0,2S																		2,5	5
1A	3	1	1,25																
	1		1	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
	0,5						1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
									3,75	5	5	5	5	5	5	5	5	5	5
	0,5S										2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5
												5	5	5	5	5	5	5	5
	0,2													2,5	2,5	2,5	2,5	2,5	2,5
0,2S																		2,5	5

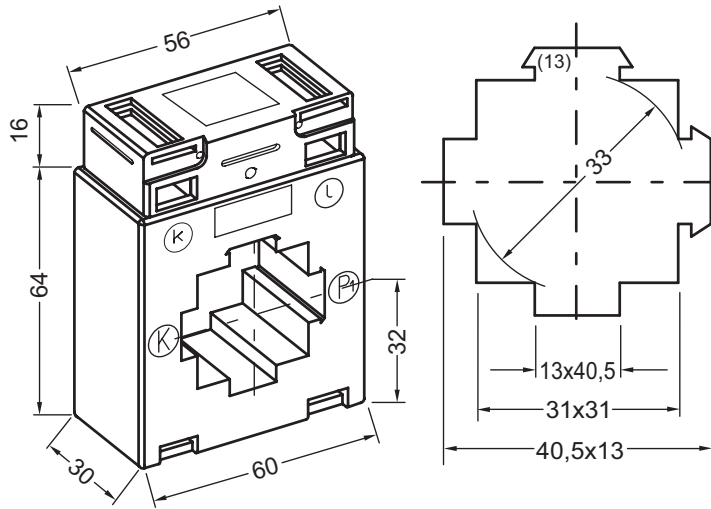
OPTIONAL ACCESSORIES:

- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Copper tube $d_a = 21$ mm, $d_i = 8,5$ mm or $12,5$ mm, $L = 32$ mm¹⁾ for using the CT as a tube type current transformer
- Extended secondary terminal cover to increase the clearance and creepage distances when using the current transformer as a tube type CT

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV

1) Other lengths on request



INFORMATION:

- Weight approx. 160-220 g
- Round conductor 33 mm
- Bus bars 40 x 12 mm, 2 x 30 x 10 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type 13)
- 2 threaded pins M5 x 35
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I_{sr}	Cl.	PRIMARY RATED CURRENT I_{pr}									A
		150	200	250	300	400	500	600	750	800	
5A	1		1,25	2	2,5	2,5	2,5	1,25	2,5	2,5	VA
						3,75	5				
	0,5			2	2,5	2,5	2,5	1,25	2,5	2,5	
						3,75	5				
1A	1	2,5	2,5	2	2,5	2,5	2,5	2,5	2,5	VA	
			3,75			3,75	5				
	0,5		1,25	1,25	2,5	2,5	2,5	2,5	2,5		
						3,75	5				

OPTIONAL ACCESSORIES:

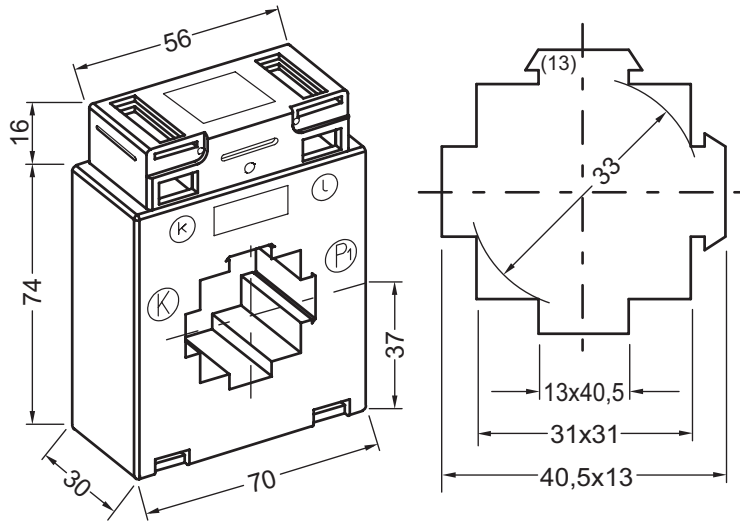
- Bus bar quick fastening device (type 13-40)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin

WINDOW TYPE CURRENT TRANSFORMER

7A412.3



INFORMATION:

- Weight approx. 280-350 g
- Round conductor 33 mm
- Bus bars 40 x 12 mm, 2 x 30 x 10 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type 13)
- 2 threaded pins M5 x 35
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

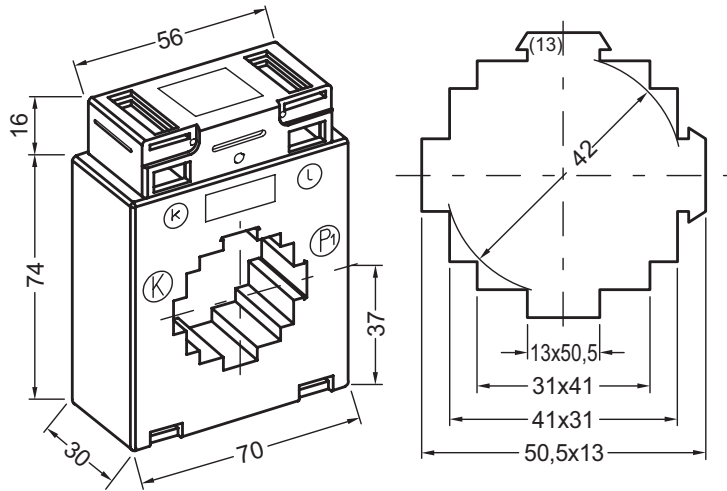
I _{sr}	Cl.	PRIMARY RATED CURRENT I _{PR}												A		
		80	100	125	150	200	250	300	400	500	600	750	800		1000	
5A	1	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA	
				3,75	5	5	5	5	5	5	5	5	5	5		
								7,5	7,5	10	10	10	10	10		10
	0,5			1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5		5
								5	5	5	5	5	5	10		10
	0,5S							2,5	2,5	2,5	2,5	2,5	2,5	5		5
									5	5	5	5	5	5		10
	0,2									2,5	2,5	2,5	2,5	2,5		5
										5	5	5	5	5		10
	0,2S											2,5	2,5	2,5		
											5	5	5	5		
1A	1	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA	
				3,75	5	5	5	5	5	5	5	5	5	5		
								7,5	7,5	7,5	10	10	10	10		10
	0,5			1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5		
					2,5	3,75	5	5	5	5	5	5	10	10		
	0,5S					1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5		
								5	5	5	5	5	5	10		
	0,2									2,5	2,5	2,5	2,5	2,5		2,5
										5	5	5	5	5		5
	0,2S												2,5	2,5		2,5
												5	5	5		

OPTIONAL ACCESSORIES:

- Bus bar quick fastening device (type 13-40)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)



INFORMATION:

- Weight approx. 180-250 g
- Round conductor 42 mm
- Bus bars 50 x 12 mm, 2 x 40 x 10 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type 13)
- 2 threaded pins M5 x 35
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{PR}										A	
		150	200	250	300	400	500	600	750	800	1000		
5A	1	1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA
										3,75	3,75	5	
	0,5			1,25	1,25	1,25	1,25	2,5	2,5	2,5	2,5		
					2,5	2,5	2,5		3,75	3,75	5		
1A	1	1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA	
										3,75	3,75		5
	0,5		1,25	1,25	2,5	1,25	2,5	2,5	2,5	2,5	2,5		
										3,75	3,75		5

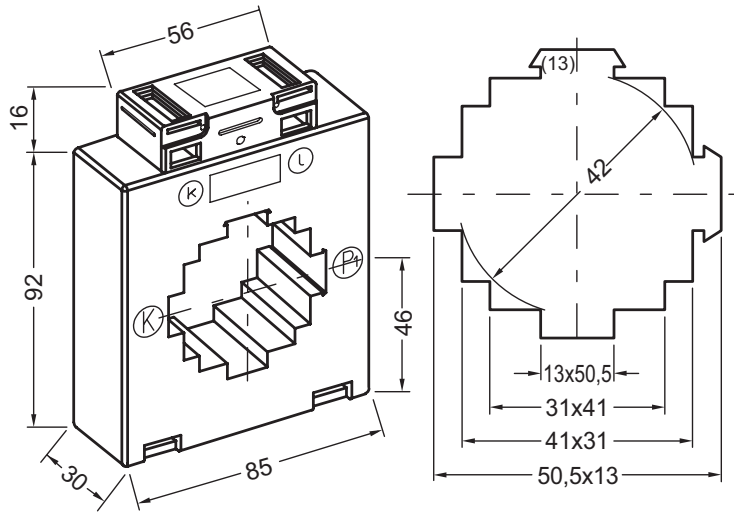
OPTIONAL ACCESSORIES:

- Bus bar quick fastening device (type 13-40 or 13-65)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device
- Copper sleeve d_a = 42 mm, d_i = 14,2 mm, L = 32 mm¹⁾ for using the CT as a tube type current transformer
- Extended secondary terminal cover to increase the clearance and creepage distances when using the CT as a tube type CT

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

1) Other lengths on request



INFORMATION:

- Weight approx. 320-500 g
- Round conductor 42 mm
- Bus bars 50 x 12 mm, 2 x 40 x 10 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type 13)
- 2 threaded pins M5 x 35
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{PR}												A		
		150	200	250	300	400	500	600	750	800	1000	1250	1500			
5A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA
		3,75	5	5	5	5	5	5	5	5	5	5	5	5	5	
		7,5	7,5	10	10	10	10	10	10	10	10	10	10	10	10	
	0,5	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
				5	5	5	5	5	5	5	5	5	5	5	5	
					7,5	10	10	10	10	10	10	10	10	10	10	
	0,5S				2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
						5	5	5	5	5	5	5	5	5	5	
							10	10	10	10	10	10	10	10	10	
	0,2						2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
								5	5	5	5	5	5	5	5	
									10	10	10	10	10	10	10	
0,2S										2,5	2,5	2,5	2,5	2,5		
											5	5	5	5		
												10	10	10	10	
1A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA
			5	5	5	5	5	5	5	5	5	5	5	5	5	
				7,5	10	10	10	10	10	10	10	10	10	10	10	
	0,5	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
					3,75	5	5	5	5	5	5	5	5	5	5	
						7,5	10	10	10	10	10	10	10	10	10	
	0,5S					2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
							5	5	5	5	5	5	5	5	5	
								10	10	10	10	10	10	10	10	
	0,2							2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
									5	5	5	5	5	5	5	
										10	10	10	10	10	10	
0,2S											2,5	2,5	2,5	2,5		
												5	5	5		
													10	10	10	

OPTIONAL ACCESSORIES:

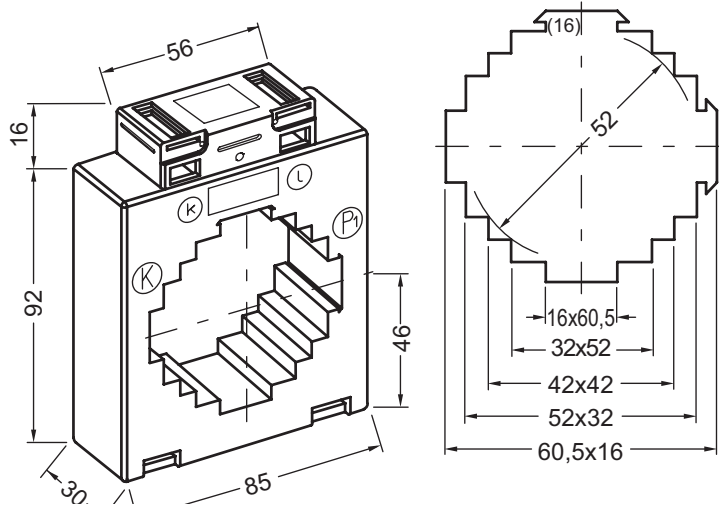
- Bus bar quick fastening device (type 13-40 or 13-65)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device
- Copper sleeve $d_s = 42$ mm, $d_i = 14,2$ mm, $L = 32$ mm¹⁾ for using the CT as a tube type current transformer
- Extended secondary terminal cover to increase the clearance and creepage distances when using the CT as a tube type CT

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (2 change-over functions)

WINDOW TYPE CURRENT TRANSFORMER

8A615.3



INFORMATION:

- Weight approx. 300-400 g
- Round conductor 52 mm
- Bus bars 60 x 15 mm, 2 x 50 x 10 mm, 40 x 40 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type 16)
- 2 threaded pins M5 x 35
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{pr}												A	
		200	250	300	400	500	600	750	800	1000	1250	1500	1600		
5A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	VA
		3,75	3,75	3,75	3,75	5	5	5	5	5	10	10	10	10	
		5	5	5	5	7,5	10	10	10	10	15	15	15	15	
	0,5	1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	
		2,5	5	5	5	5	5	5	5	5	10	10	10	10	
		7,5	10	10	10	10	10	10	10	15	15	15	15		
	0,5S	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	
		2,5	5	5	5	5	5	5	5	10	10	10	10	10	
		10	10	15	15	15	15	15	15	20	20	20	20	20	
	0,2	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	
		5	5	5	5	5	5	5	5	10	10	10	10	10	
		10	10	15	15	15	15	15	15	20	20	20	20	20	
0,2S	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5		
	5	5	5	5	5	5	5	5	10	10	10	10	10		
	10	10	15	15	15	15	15	15	20	20	20	20	20		
1A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA
		3,75	3,75	3,75	3,75	5	5	5	5	5	5	5	5	5	
		7,5	7,5	7,5	7,5	10	10	10	10	10	15	15	15	15	
	0,5	1,25	1,25	1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
		2,5	2,5	2,5	2,5	3,75	5	5	5	5	5	5	5	5	
		7,5	7,5	7,5	7,5	10	10	10	10	10	15	15	15	15	
	0,5S	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
		2,5	5	5	5	5	5	5	5	5	5	5	5	5	
		7,5	10	10	10	10	10	10	10	10	15	15	15	15	
	0,2	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
		5	5	5	5	5	5	5	5	5	5	5	5	5	
		7,5	7,5	7,5	7,5	10	10	10	10	10	15	15	15	15	
0,2S	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5		
	5	5	5	5	5	5	5	5	5	5	5	5	5		
	7,5	7,5	7,5	7,5	10	10	10	10	10	15	15	15	15		

OPTIONAL ACCESSORIES:

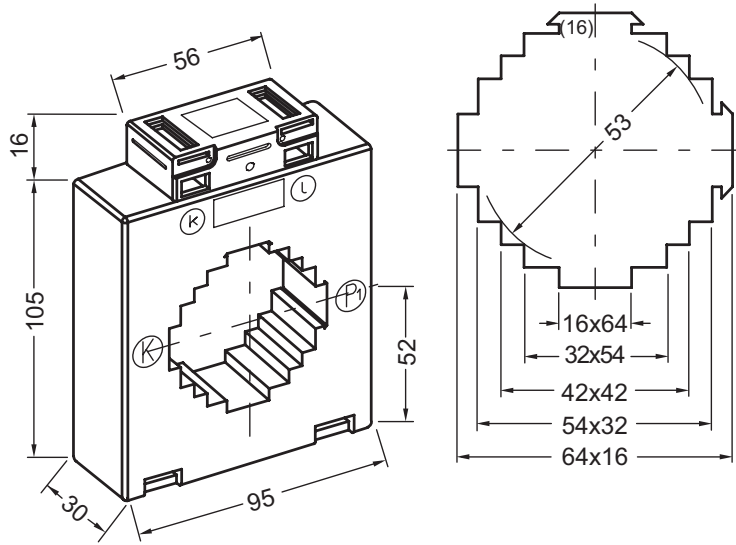
- Bus bar quick fastening device (type 16-40)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS(ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

WINDOW TYPE CURRENT TRANSFORMER

9A615.3



INFORMATION:

- Weight approx. 400-550 g
- Round conductor 53 mm
- Bus bars 63 x 15 mm, 2 x 50 x 10 mm, 40 x 40 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type 16)
- 2 threaded pins M5 x 35
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sf}	Cl.	PRIMARY RATED CURRENT I _{PR}														A	
		200	250	300	400	500	600	750	800	1000	1250	1500	1600	2000	2500		
5A	1	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5	5	5	5	VA
		3,75	5	5	5	10	10	10	10	10	10	10	10	10	10	10	
		7,5	10	10	10	15	15	15	15	15	15	15	15	15	15	15	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	10	10	10	10	10	10	10	10	10	
		10	10	10	10	15	15	15	15	15	15	15	15	15	15	15	
	0,5S	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	10	10	10	10	10	10	10	10	10	
		10	10	10	10	15	15	15	15	15	15	15	15	15	15	15	
	0,2	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5	5	
		5	5	5	5	5	5	10	10	10	10	10	10	10	10	10	
		10	10	10	10	15	15	15	15	15	15	15	15	15	15	15	
0,2S	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5	5		
	5	5	5	5	5	5	10	10	10	10	10	10	10	10	10		
	10	10	10	10	15	15	15	15	15	15	15	15	15	15	15		
1A	1	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5	VA	
		3,75	5	5	5	5	5	10	10	10	10	10	10	10	10		
		7,5	10	10	10	10	10	15	15	15	15	15	15	15	15		
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5		
		5	5	5	5	5	5	10	10	10	10	10	10	10	10		
		7,5	10	10	10	10	10	15	15	15	15	15	15	15	15		
	0,5S	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5		
		5	5	5	5	5	5	10	10	10	10	10	10	10	10		
		10	10	10	10	15	15	15	15	15	15	15	15	15	15		
	0,2	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5		
		5	5	5	5	5	5	10	10	10	10	10	10	10	10		
		10	10	10	10	15	15	15	15	15	15	15	15	15	15		
0,2S	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5			
	5	5	5	5	5	5	10	10	10	10	10	10	10	10			
	10	10	10	10	15	15	15	15	15	15	15	15	15	15			

OPTIONAL ACCESSORIES:

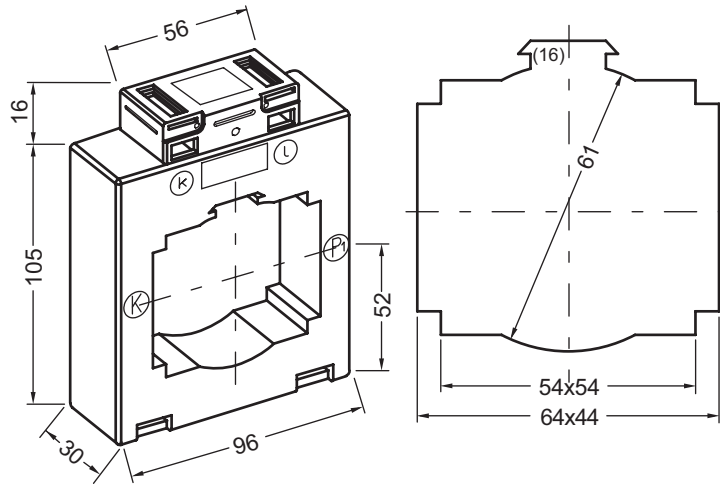
- Bus bar quick fastening device (type 16-40)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

WINDOW TYPE CURRENT TRANSFORMER

9A640.3



INFORMATION:

- Weight approx. 340-420 g
- Round conductor 61 mm
- Bus bars 60 x 40 mm, 50 x 50 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type 16)
- 2 threaded pins M5 x 35
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{PR}												A		
		200	250	300	400	500	600	750	800	1000	1250	1500	1600		2000	
5A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	VA
		3,75	5	5	5	5	5	5	5	5	5	5	10	10	10	
						7,5	10	10	10	10	10	10	15	15	15	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5		
				5	5	5	5	5	5	5	5	10	10	10		
					10	10	10	10	10	10	10	15	15	15		
	0,5S	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5		
						5	5	5	5	5	5	10	10	10		
	0,2	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5		
										5	5	10	10	10		
0,2S	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5			
											5	5	5			
1A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5			VA	
		3,75	5	5	5	5	5	5	5	5	5	5				
					7,5	7,5	10	10	10	10	10					
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5				
				3,75	5	5	5	5	5	5	5	5				
					7,5	7,5	10	10	10	10	10					
	0,5S	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5					
						5	5	5	5	5	5					
	0,2	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5					
0,2S	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5						

OPTIONAL ACCESSORIES:

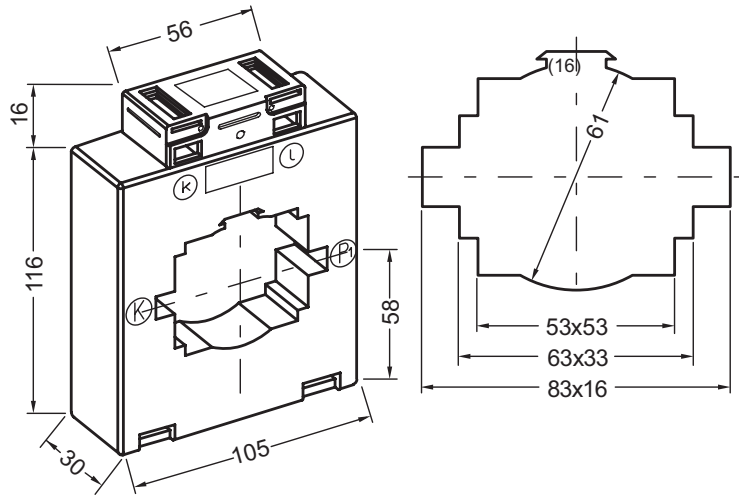
- Bus bar quick fastening device (type 16-40)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

WINDOW TYPE CURRENT TRANSFORMER

10A815.3



INFORMATION:

- Weight approx. 350-500 g
- Round conductor 61 mm
- Bus bars 80 x 15 mm, 2 x 60 x 10 mm, 3 x 50 x 10 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type 16)
- 2 threaded pins M5 x 55
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{pr}											A	
		400	500	600	750	800	1000	1250	1500	1600	2000	2500*		
5A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	10	VA
		5	5	5	5	5	5	5	5	5	5	10	15	
		7,5	10	10	10	10	10	10	10	10	10	15	20	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	
		5	5	5	5	5	5	5	5	5	5	5	10	
				10	10	10	10	10	10	10	10	10	15	
	0,5S		2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	
				5	5	5	5	5	5	5	5	5	10	
					10	10	10	10	10	10	10	10	15	
	0,2				2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	
						5	5	5	5	5	5	5	10	
							10	10	10	10	10	10	15	
0,2S									2,5	2,5	2,5	5		
									5	5	5	10		
1A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	VA	
		5	5	5	5	5	5	5	5	5	5	10		
		7,5	10	10	10	10	10	10	10	10	10	15		
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5		
		5	5	5	5	5	5	5	5	5	5	5		
				10	10	10	10	10	10	10	10	10		
	0,5S		2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5		
				5	5	5	5	5	5	5	5	5		
							10	10	10	10	10	10		
	0,2				2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5		
						5	5	5	5	5	5	5		
							10	10	10	10	10	10		
0,2S									2,5	2,5	2,5			
									5	5	5			

SONDERZUBEHÖR:

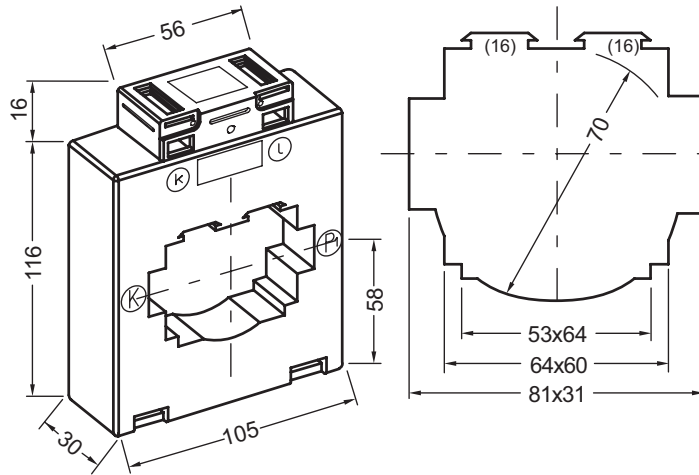
- Bus bar quick fastening device (type 16-65)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

WINDOW TYPE CURRENT TRANSFORMER

10A830.3



INFORMATION:

- Weight approx. 340-440 g
- Round conductor 70 mm
- Bus bars 2 x 80 x 10 mm, 60 x 60 mm

ACCESSORIES (INCLUDED):

- 2 bus bar fixing devices (type 16)
- 4 threaded pins M5 x 55
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{pr}											A		
		400	500	600	750	800	1000	1250	1500	1600	2000	2500*			
5A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA	
		5	5	5	5	5	5	5	5	5	5	5	5		
				7,5	10	10	10	10	10	10	10	10	10		15
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5		
		5	5	5	5	5	5	5	5	5	5	5	5		
				7,5	7,5	10	10	10	10	10	10	10	10		15
	0,5S		2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5		
				5	5	5	5	5	5	5	5	5	5		
						7,5	10	10	10	10	10	10	10		15
	0,2					2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5		
							5	5	5	5	5	5	5		
									10	10	10	10	10		15
0,2S									2,5	2,5	2,5	2,5			
									5	5	5	5			
											10**	10**	15**	15**	
1A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA		
		5	5	5	5	5	5	5	5	5	5	5			
				7,5	7,5	10	10	10	10	10	10	10		10	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5			
				5	5	5	5	5	5	5	5	5			
				7,5	7,5	10	10	10	10	10	10	10			
	0,5S			2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5			
					5	5	5	5	5	5	5	5			
							10	10	10	10	10	10			
	0,2					2,5	2,5	2,5	2,5	2,5	2,5	2,5			
									5	5	5	5			
										10	10	10			
0,2S									2,5	2,5	2,5				

OPTIONAL ACCESSORIES:

- Bus bar quick fastening device (type 16-65)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Insulating caps for the mounting pins of the bus bar fixing device

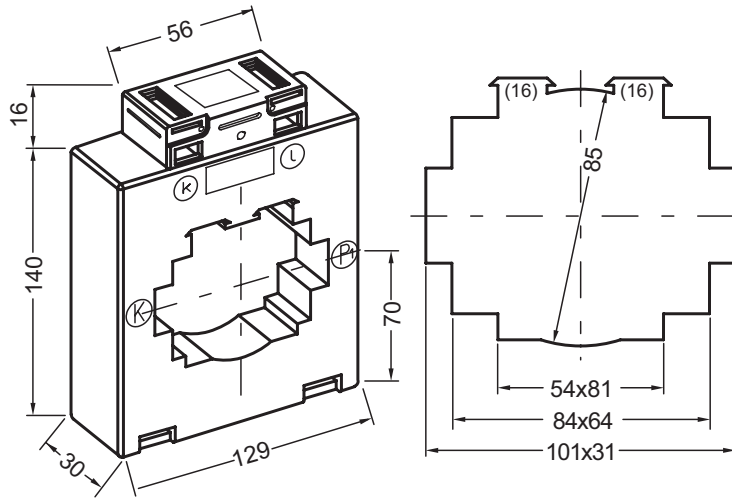
SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

* I_{cth}: 1,0 x I_{pr}; I_{cth}: 1,2 x I_{pr} on request ** Custom design, price on request

WINDOW TYPE CURRENT TRANSFORMER

13A1030.3



INFORMATION:

- Weight approx. 440-680 g
- Round conductor 85 mm
- Bus bars 2 x 100 x 10 mm, 80 x 60 mm, 50 x 80 mm

ACCESSORIES (INCLUDED):

- 2 bus bar fixing devices (type 16)
- 4 threaded pins M5 x 55
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I_{sr}	Cl.	PRIMARY RATED CURRENT I_{pr}														A		
		400	500	600	750	800	1000	1200	1250	1500	1600	2000	2500	3000	4000*			
5A	1	2,5	2,5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	VA
		5	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
							15	15	15	15	15	15	15	15	15	15	15	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
					10	10	10	10	10	10	10	10	10	10	10	10	10	
	0,5S			2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
				5	5	5	5	5	5	5	5	5	5	5	5	5	5	
						10	10	10	10	10	10	10	10	10	10	10	10	
	0,2							2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
								5	5	5	5	5	5	5	5	5	5	
											10	10	10	10	10	10	10	
0,2S											2,5	2,5	2,5	2,5	2,5	2,5		
											5	5	5	5	5	5		
													10	10	10	10		
1A	1	2,5	2,5	5	5	5	5	5	5	5	5	5	5	5	5	5	VA	
		5	5	10	10	10	10	10	10	10	10	10	10	10	10	10		
	0,5	2,5	2,5	5	5	5	5	5	5	5	5	5	5	5	5	5		
		5	5	10	10	10	10	10	10	10	10	10	10	10	10	10		
	0,5S			5	5	5	5	5	5	5	5	5	5	5	5	5		5
	0,2							2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5		2,5
								5	5	5	5	5	5	5	5	5		5
0,2S											2,5	2,5	2,5	2,5	2,5	2,5		
											5	5	5	5	5	5		

OPTIONAL ACCESSORIES:

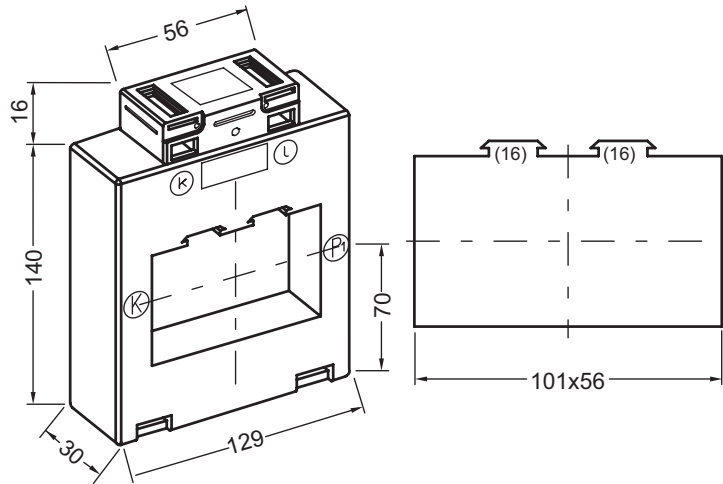
- Bus bar quick fastening device (type 16-65)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

WINDOW TYPE CURRENT TRANSFORMER

13A1056.3



INFORMATION:

- Weight approx. 470-700 g
- Bus bars 3 x 100 x 12 mm

ACCESSORIES (INCLUDED):

- 2 bus bar fixing devices (type 16)
- 4 threaded pins M5 x 55
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sf}	Cl.	PRIMARY RATED CURRENT I _{pr}														A		
		400	500	600	750	800	1000	1200	1250	1500	1600	2000	2500	3000*	4000*			
5A	1	2,5	2,5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	VA
		5	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	
								15	15	15	15	15	15	15	15	15	15	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	
		5	5	5	5	5	5	5	5	5	5	5	5	5	10	10	10	
				10	10	10	10	10	10	10	10	10	10	10	10	15	15	
	0,5S				2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	
							5	5	5	5	5	5	5	5	10	10	10	
							10	10	10	10	10	10	10	10	15	15	15	
	0,2							2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	
								5	5	5	5	5	5	5	10	10	10	
									10	10	10	10	10	10	15	15	15	
0,2S														2,5	2,5	5	5	
														5	5	10	10	
															10			
1A	1	2,5	2,5	5	5	5	5	5	5	5	5	5	5	5	10			VA
		5	5	10	10	10	10	10	10	10	10	10	10	10	10	15	15	
								15	15	15	15	15	15	15	15	20	20	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	
		5	5	5	5	5	5	5	5	5	5	5	5	5	10	10	10	
				10	10	10	10	10	10	10	10	10	10	10	10	15	15	
	0,5S				2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	
							5	5	5	5	5	5	5	5	10	10	10	
							10	10	10	10	10	10	10	10	15	15	15	
	0,2							2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	
								5	5	5	5	5	5	5	10	10	10	
											10	10	10	10	15	15	15	
0,2S														2,5	2,5	5	5	
														5	5	10	10	
															10			

OPTIONAL ACCESSORIES:

- Bus bar quick fastening device (type 16-65)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Insulating caps for the mounting pins of the bus bar fixing device

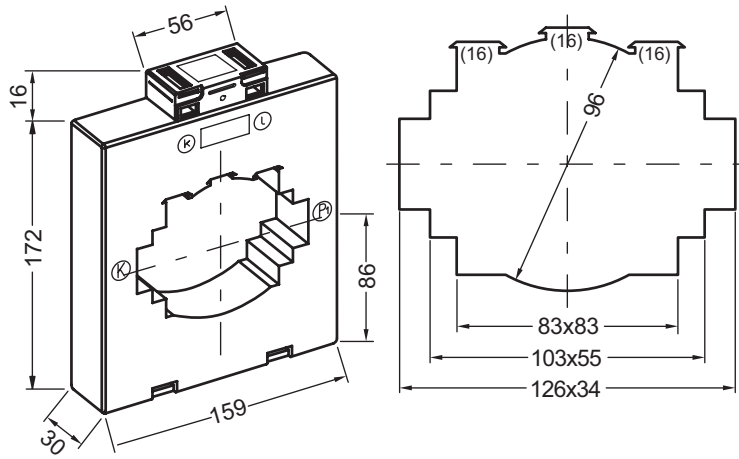
SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

* I_{cth}: 1,0 x I_{pr}; I_{cth} = 1,2 x I_{pr} on request

WINDOW TYPE CURRENT TRANSFORMER

16A1234.3



INFORMATION:

- Weight approx. 700-1050 g
- Round conductor 96 mm
- Bus bars 2 x 120 x 10 mm, 3 x 100 x 10 mm, 80 x 80 mm

ACCESSORIES (INCLUDED):

- 2 bus bar fixing devices (type 16)
- 4 threaded pins M5 x 75
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{PR}												A	
		400	500	600	750	800	1000	1250	1500	1600	2000	2500	3000		4000
5A	1	2,5	5	5	5	5	5	5	10	5	5	10	10	10	VA
		5	10	10	10	10	10	10	15	10	10	15	15	15	
				15	15	15	15	15	20	15	15	30	30	30	
	0,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	10	10	
			5	5	5	5	10	10	10	10	10	10	15	15	
					10	10	15	15	15	15	15	30	30	30	
	0,5S			2,5	2,5	2,5	5	5	5	5	5	5	10	10	
					5	5	10	10	10	10	10	10	15	15	
							15	15	15	15	15	30	30	30	
	0,2					2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	
							5	5	5	5	5	5	10	10	
								10	10	10	10	10	15	15	
0,2S									2,5	2,5	2,5	5	5		
										5	5	10	10		
											10	15	15		
1A	1	5	5	5	5	5	5	5	5	5	5	10	10	10	VA
		10	10	10	10	10	10	10	10	10	10	15	15	15	
				15	15	15	15	15	15	15	15	30	30	30	
	0,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	10	10	10	
			5	5	5	5	10	10	10	10	10	15	15	15	
				10	10	10	15	15	15	15	15	30	30	30	
	0,5S			2,5	2,5	2,5	2,5	5	5	5	5	10	10	10	
					5	5	10	10	10	10	10	15	15	15	
						10	10	15	15	15	15	30	30	30	
	0,2					2,5	2,5	2,5	5	5	5	5	10	10	
							5	5	5	5	5	10	10	15	
								10	10	10	10	15	15	15	
0,2S											5	5	10		
												10	15		
												15	30		
													45		

OPTIONAL ACCESSORIES:

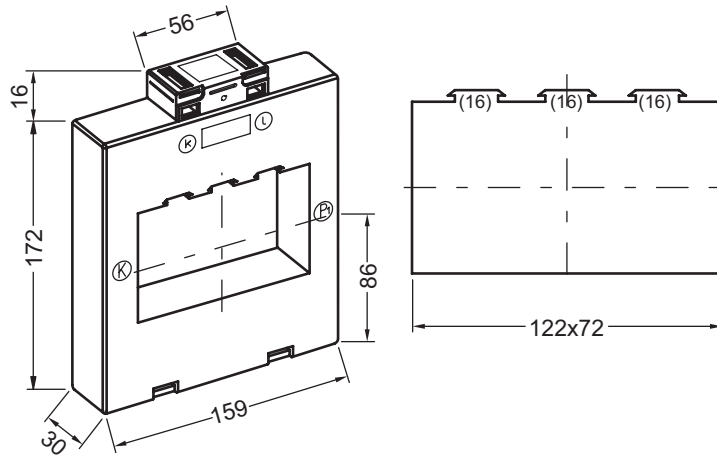
- Bus bar quick fastening device (type 16-65)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

WINDOW TYPE CURRENT TRANSFORMER

16A1272.3



INFORMATION:

- Weight approx. 920-960 g
- Bus bars 4 x 120 x 10 mm

ACCESSORIES (INCLUDED):

- 2 bus bar fixing devices (type 16)
- 4 threaded pins M5 x 75
- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{PR}															A
		400	500	600	750	800	1000	1250	1500	1600	2000	2500	3000	4000	5000*	6000*	
5A	1	2,5	2,5	5	5	5	5	5	5	5	5	10	10	10	10	10	
		5	5	10	10	10	10	10	10	10	10	15	15	15	15	15	
												15	15	15	15	15	15
	0,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5	10	10	
		5	5	5	5	5	10	10	10	10	10	10	10	10	15	15	
												15	15	15	15	20	20
	0,5S									5	5	5	5	5	5	10	10
										10	10	10	10	10	10	15	15
												15	15	15	15	20	20
	0,2											5	5	5	5	10	10
											10	10	10	10	15	15	
													15	15	20	20	
0,2S													5	5	10	10	
													10	10	15	15	
														15	15	15	
1A	1	2,5	2,5	5	5	5	5	5	5	5	5	10	10	10			
		5	5	10	10	10	10	10	10	10	10	15	15	15			
												15	15	15	20	20	20
	0,5	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	5	5	5	5		
		5	5	5	5	5	10	10	10	10	10	10	10	10	10		
												15	15	15	15		
	0,5S									5	5	5	5	5	5		
										10	10	10	10	10	10		
												15	15	15	15		
	0,2											5	5	5	5		
											10	10	10	10			
													15	15			
0,2S													5	5	10	10	
													10	10	15	15	
														15	15	15	

OPTIONAL ACCESSORIES:

- Bus bar quick fastening device (type 16-65)
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)
- Insulating caps for the mounting pins of the bus bar fixing device

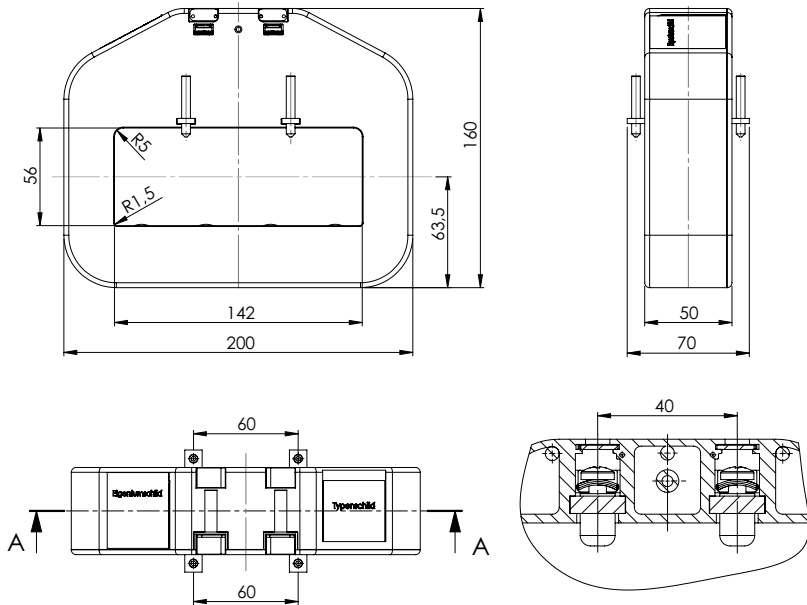
SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 or 3 currents)

* I_{crit}: 1,0 x I_{pr}
Consider sufficient distance between the phases for rated currents higher than 4000 A (proximity effect)

WINDOW TYPE CURRENT TRANSFORMER

20A1456.5



INFORMATION:

- Weight approx. 2,1 – 2,7 kg
- Bus bars 140 x 50 mm,
3 x 140 x 10 mm

ACCESSORIES (INCLUDED):

- 2 bus bar fixing devices
- 4 threaded pins M5 x 35
- 2 secondary terminal covers
(yellow caps)

Other ratios, burdens or accuracy classes on request

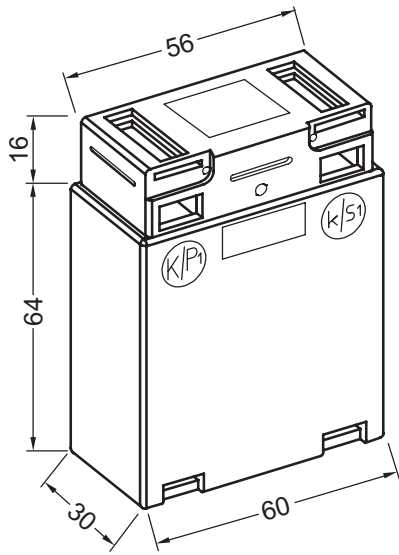
I_{sr}	Cl.	PRIMARY RATED CURRENT I_{pr}					A
		2000	3000	4000	5000	7000*	
5A	1	10	10	10	10	10	VA
		20	20	20	20	20	
						30	
	0,5	10	10	10	10	10	
		20	20	20	20	20	
						30	
	0,5S	10	10	10	10	10	
		20	20	20	20	20	
						30	
	0,2	5	10	10	10	10	
		10	20	20	20	20	
0,2S	5	10	10	10	10		
		20	20	20	20		
					30		

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Csted with resin
- Highest voltage for equipment 1,2 kV
- Compensation winding to counteract the proximity effect
(otherwise sufficient distance between the phases to be considered for rated currents higher than 4000 A)

WOUND PRIMARY CURRENT TRANSFORMER

6W0.3



INFORMATION:

- Weight approx. 200-270 g

ACCESSORIES (INCLUDED):

- 2 secondary terminal covers (yellow caps)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I_{sr}	Cl.	PRIMARY RATED CURRENT I_{pr}														A	
		1	2	2,5	4	5	6	7,5	10	12,5	15	20	25	30	40		
5A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
1A	1	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	VA
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	
	0,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	
		5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	

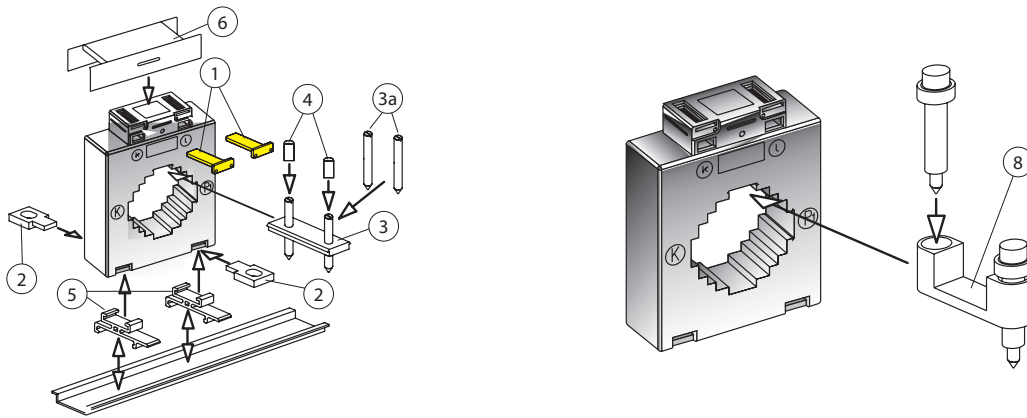
OPTIONAL ACCESSORIES:

- Snap-on mounting brackets for rail TS 35 (DIN EN 60715)

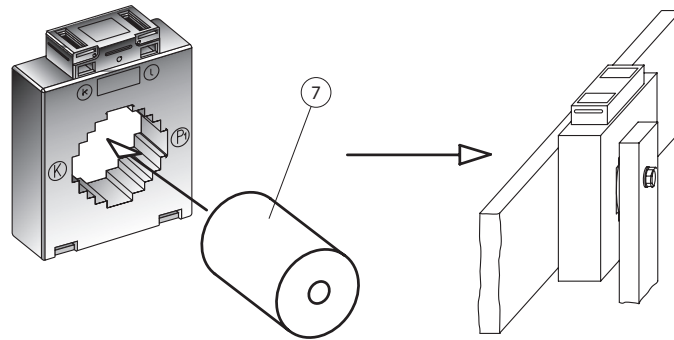
SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin

ACCESSORIES REGULUS SERIES



No.	Product	Picture	Order key
①	Secondary terminal covers (yellow caps, 2 pieces included) For re-ordering		V0001693
②	Mounting feet (2 pieces included) For re-ordering		W000004668
③	Set of current transformer fixing devices (Included) For re-ordering		
	2 mounting feet, 1 bus bar fixing device (type 13), 2 threaded pins M5 x 35 for 6A412.3, 7A412.3, 8A512.3		V0001655
	2 mounting feet, 1 bus bar fixing device (type 16), 2 threaded pins M5 x 35 for 6A315.3, 8A615.3, 9A615.3, 9A640.4		V0001654
	2 mounting feet, 1 bus bar fixing device (type 16), 2 threaded pins M5 x 55 for 10A815.3		V0001656
	2 mounting feet, 2 bus bar fixing devices (type 16), 4 threaded pins M5 x 55 for 10A830.3, 13A1030.3, 13A1056.3		V0001657
	2 mounting feet, 2 bus bar fixing devices (type 16), 4 threaded pins M5 x 75 for 16A1234.3, 16A1272.3		V0001658
③a	2 threaded pins (stud bolts) M5 x 35 mm		V0001492
	2 threaded pins (stud bolts) M5 x 55 mm		V0001493
	2 threaded pin (stud bolts) M5 x 75 mm		V0001494



No.	Product	Picture	Order key
④	Insulating caps for bus bar mounting screws (2 pcs.)		W000003940
⑤	Snap-on mounting brackets for rail TS 35 (DIN EN 60715) (2 pcs.)		V0001691
⑥	Extended secondary terminal cover for 4R21.3		V0001665
	Extended secondary terminal cover for 6A315.3, 7A512.3, 8A512.3		V0001667
⑦	Copper sleeve , $d_o=21$ mm, $d_i=8,5$ mm, $L^1=32$ mm for 4R21.3		W000002854
	Copper sleeve , $d_o=21$ mm, $d_i=12,5$ mm, $L^1=32$ mm for 4R21.3		W000002853
	Copper sleeve , $d_o=28$ mm, $d_i=12,5$ mm, $L^1=32$ mm for 6A315.3		W000002855
	Copper sleeve , $d_o=42$ mm, $d_i=14,5$ mm, $L^1=32$ mm for 7A512.3 or 8A512.3		W000002856
⑧	Primary bus bar quick fastening device		
	Type 13-40 (1 pc.) with 40 mm pins for 6A412.3, 7A412.3, 7A512.3, 8A512.3		W000004626
	Type 16-40 (1 pc.) with 40 mm pins for 6A315.3, 8A615.3, 9A615.3, 9A640.3		W000004627
	Type 16-65 (1 pc.) with 65 mm pins for 10A815.3		W000004628
	Type 16-65 (2 pcs.) with 65 mm pins for 10A830.3, 13A1030.3, 13A1056.3, 16A1234.3, 16A1272.3		W000004629
	Type 16-65-9 (2 pcs.) with 65 mm pins and with 100 mm stud bolts for 13A1030.3, 13A1056.3, 16A1234.3, 16A1272.3		W000004630

IPNG SERIES



GENERAL FEATURES

Our IPNG series is the perfect extension to our REGULUS series for current transformers with higher rated power values or smaller primary currents.

All current transformers comply with the standards IEC 61869 and DIN 42600 as well as with the DIN EN 50274.

GENERAL MECHANICAL FEATURES:

- Break-proof fiber-reinforced polyamide enclosure
- Flame retardant according to UL 94
- Nickel-plated secondary terminals with cross-head screws (2 Nm)
- Integrated secondary terminal cover

GENERAL ELECTRICAL FEATURES:

- Highest voltage for equipment $U_m = 0,72\text{kV}$
(other voltages on request)
- Rated frequency withstand voltage (RMS)
3 kV/1 min (other voltages on request)
- Rated frequencies 50-60Hz
(other frequencies on request)
- Rated continuous thermal current $I_{cth} = 1,2 \times I_{pr}$
($1,0 \times I_{pr}$ for higher primary currents)
- Rated short-time thermal current $I_{th} = 60 \times I_{pr}$
(max. 100 kA)
- Rated dynamic current $I_{dyn} = 2,5 \times I_{th}$
- Instrument security factor FS5 to FS15
- Temperature rise limit class H
(other classes on request)

ACCESSORIES (INCLUDED):

- Secondary terminal covers
- Bus bar fixing device
- Mounting feet

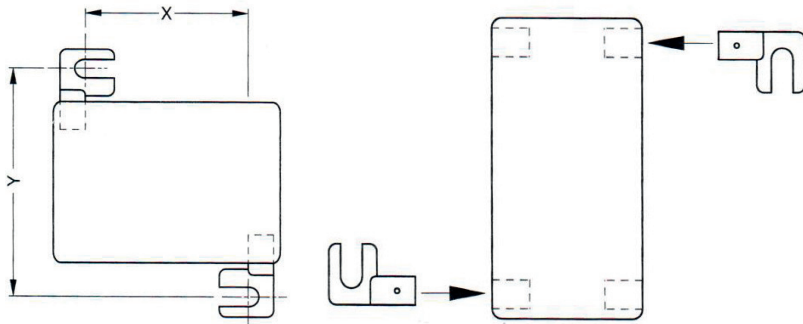
OPTIONAL:

- Fiber-reinforced polyamide snap-on mounting brackets for the installation on rail TS 35 acc. to DIN EN 60715
- or metal premium DIN rail adapter, rotatable for rail TS 35 acc. to DIN EN 60715
- Copper tubes in various sizes for using the CT as a tube type current transformer
- Primary copper bus bars in various sizes
- Insulating caps for the protection of the bus bar mounting pins
- Reducers to decrease the window opening for the primary bus bar

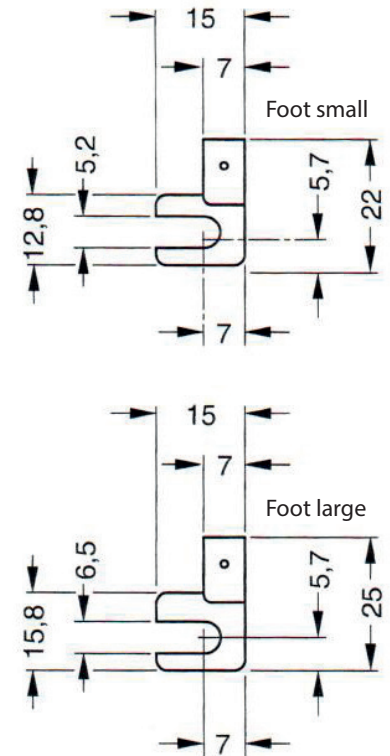
MOUNTING PATTERN

MOUNTING PATTERN

Our sophisticated design allows mounting our current transformers within seconds. The dimensions apply if the mounting feet are well inserted in the designated slots.



CT type	x	y	Mount. foot
IPN30	42 mm	52 mm	small
IPA30, IPA40	50 mm	52 mm	small
IPA30.5, IPA40.5	50 mm	65 mm	large



REDUR SECONDARY TERMINAL

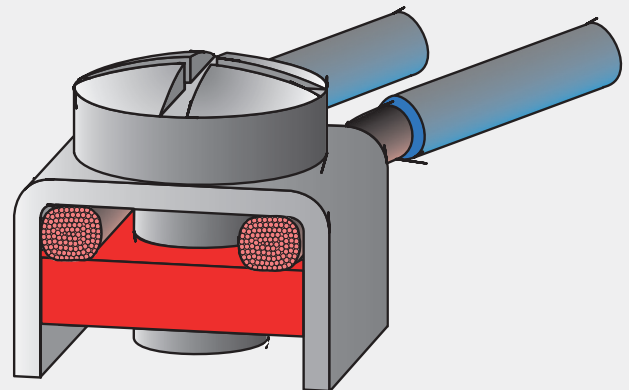
Our clamping system transmits the force by means of a nut (pad) to the cable head (lift principle). Therefore the wire is only exposed to pressure and cannot be damaged by rotating components.

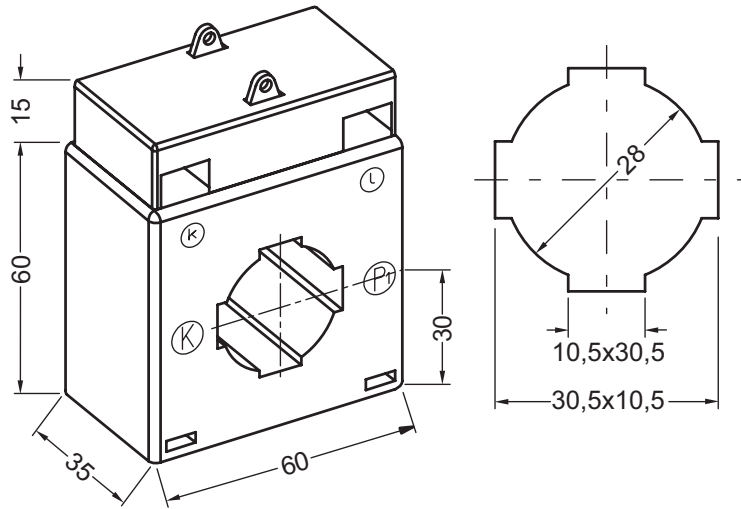
Two clamping spaces of 2,5 mm x 4 mm cross-section each are available.

The cable ends are clamped across a large area ensuring a low contact resistance. Pressure forces of several hundred Newton are reached. Therefore, conductors even with multiple, fine and extremely fine wires are well compressed so that no corrosion can occur by penetrating harmful gases. Our secondary terminal provides therefore an extremely long-lasting connection even in aggressive industrial environments.

The cross-head slot of the M5 screw allows ease of handling. The fastening torque is 2 Nm. Both, screws and nuts are designed in such a way that unintentional loosening is prevented.

The secondary terminals are made of nickel-plated brass and feature a double terminal design, which permits the short-circuiting of the current transformer during operation. Work on the secondary circuit is made easy.





INFORMATION:

- Round conductor 28 mm
- Bus bar 30 x 10 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type N30)
- 2 threaded pins M5 x 18
- 1 secondary terminal cover (transparent)
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{pr}													A
		50	60	75	80	100	125	150	200	250	300	400	500	600	
5A	1		1,25	1,25	1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	5	5	VA
						2,5	3,75	5	5	5	5	5	10	10	
									7,5	10	10	10	15	15	
	0,5					1,25	1,25	2,5	2,5	2,5	2,5	2,5	5	5	
							2		5	5	5	5	10	10	
									7,5	10	10	15	15		
1A	1		1,25	1,25	1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	5	5	VA
						2,5	3,75	5	5	5	5	5	10	10	
									7,5	10	10	10	15	15	
	0,5					1,25	1,25	2,5	2,5	2,5	2,5	2,5	5	5	
							2		5	5	5	5	10	10	
									7,5	10	10	15	15		

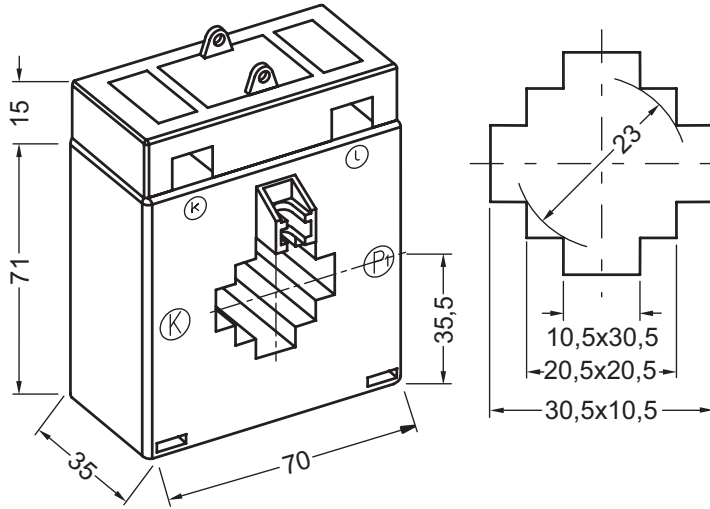
OPTIONAL ACCESSORIES:

- Snap-on mounting brackets for rail TS 35 (DIN EN 60715), metal and rotatable or polyamide and inflexible
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device
- Copper sleeve d_a = 28 mm, d_i = 12,5 mm, L = 37 mm¹⁾ for using the CT as a tube type current transformer

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Compound-filled with cast resin
- Tapped design (secondary changeover, 2 currents)

1) Other lengths on request



INFORMATION:

- Round conductor 23 mm
- Bus bars 30 x 10 mm, 25 x 25 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type A30)
- 2 threaded pins M5 x 35
- 1 secondary terminal cover, black (standard) or transparent
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

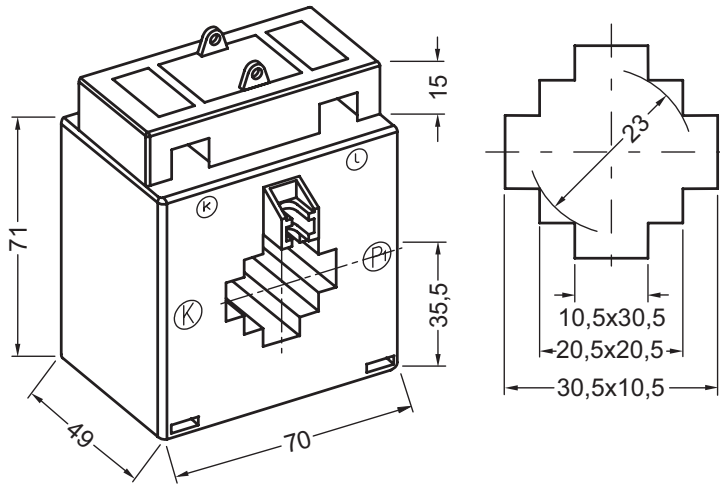
I _{sr}	Cl.	PRIMARY RATED CURRENT I _{PR}												A
		60	75	80	100	125	150	200	250	300	400	500	600	
5A	1	1,25	2,5	2,5	3,75	5	5	10	10	10	15	15	15	VA
							10	15	15	15		20	20	
													25	
	0,5				1,25	2,5	3,75	5	7,5	10	15	15	15	
								7,5	10	15		20	20	
													25	
	0,5S							2,5	3,75	7,5	10	15	15	
													20	
	0,2										5	10	15	
0,2S											2,5	10		
											5			
1A	1	1,25	2,5	2,5	3,75	5	5	10	10	10	15	15	15	VA
							10	15	15	15		20	20	
													25	
	0,5				1,25	2,5	3,75	5	7,5	10	15	15	15	
								7,5	10	15		20	20	
													25	
	0,5S							2,5	3,75	7,5	10	15	15	
													20	
	0,2										5	10	15	
0,2S											2,5	10		
											5			

OPTIONAL ACCESSORIES:

- Snap-on mounting brackets for rail TS 35 (DIN EN 60715), metal and rotatable or polyamide and inflexible
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 currents)



INFORMATION:

- Round conductor 2.3 mm
- Bus bars 30 x 10 mm, 25 x 25 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type A30)
- 2 threaded pins M5 x 35
- 1 secondary terminal cover, black (standard) or transparent
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{PR}											A	
		40	50	60	75	80	100	125	150	200	250	300		
5A	1	1,25	1,25	1,25	2,5	2,5	2,5	5	5	10	10	10	10	VA
		2,5	2,5	2,5	5	5	5	10	10	15	15	20	20	
			3,75			7,5		15	20	20	30			
	0,5	1,25	1,25	1,25	1,25	2,5	2,5	5	5	10	15	10	10	
		2,5	2,5	2,5	2,5	5	5	10	15	15	20	20	20	
	0,5S	1,25	1,25	1,25	2,5	2,5	2,5	5	5	10	10	15	10	
		2,5	2,5	2,5	5	5	5	10	10	15	15	15	15	
	0,2	2,5	2,5	2,5	5	5	5	10	10	15	15	15	15	
		5	5	5	10	10	10	15	15	15	15	15	15	
	0,2S	2,5	2,5	2,5	5	5	5	10	10	15	15	15	15	
5		5	5	10	10	10	15	15	15	15	15	15		
1A	1	1,25	1,25	2,5	2,5	2,5	2,5	2,5	5	5	5	5	5	VA
		2,5	2,5	3,75	5	5	5	5	10	10	10	10	10	
			3,75			7,5		15	20	20	20			
	0,5	1,25	1,25	1,25	1,25	2,5	2,5	5	5	10	10	15	5	
		2,5	2,5	2,5	2,5	5	5	10	10	15	15	15	15	
	0,5S	1,25	1,25	1,25	2,5	2,5	2,5	5	5	10	10	15	5	
		2,5	2,5	2,5	5	5	5	10	10	15	15	15	15	
	0,2	2,5	2,5	2,5	5	5	5	10	10	15	15	15	15	
		5	5	5	10	10	10	15	15	15	15	15	15	
	0,2S	2,5	2,5	2,5	5	5	5	10	10	15	15	15	15	
5		5	5	10	10	10	15	15	15	15	15	15		

OPTIONAL ACCESSORIES:

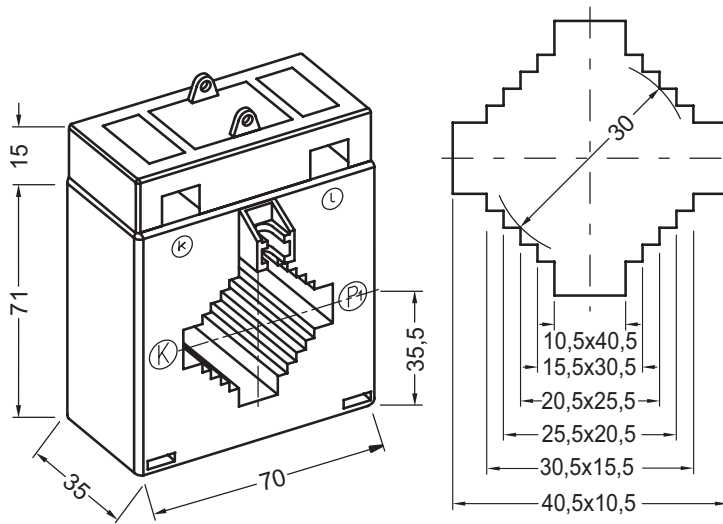
- Snap-on mounting brackets for rail TS 35 (DIN EN 60715), metal and rotatable or polyamide and inflexible
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 currents)

WINDOW TYPE CURRENT TRANSFORMER

IPA40



INFORMATION:

- Round conductor 30 mm
- Bus bars 40 x 10 mm, 30 x 15 mm, 25 x 20 mm

ACCESSORIES (INCLUDED):

- 1 bus bar fixing device (type A30)
- 2 threaded pins M5 x 35
- 1 secondary terminal cover, black (standard) or transparent
- 2 mounting feet

Other ratios, burdens or accuracy classes on request

I _{sr}	Cl.	PRIMARY RATED CURRENT I _{pr}																A
		50	60	75	80	100	125	150	200	250	300	400	500	600	750	800	1000	
5A	1			1,25	1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	
						2,5	3,75	5	5	5	5	5	5	5	10	10	10	
								7,5	10	10	10	10	10	10	15	15	15	
	0,5						1,25	1,25	2,5	2,5	2,5	2,5	2,5	2,5	5	5	5	
								2,5	5	5	5	5	5	5	10	10	10	
												10	10	10	15	15	15	
VA	0,5S									2,5	2,5	2,5	2,5	5	5	5		
											5	5	5	10	10	10		
											10	10	10	15	15	15		
	0,2										10	10	10	10	10	10		
												10	10	10	10	10		
1A	0,2S													2,5	2,5	2,5		
														5	5	5		
														10	10	10		
														15	15	15		
	0,2										2,5	2,5	2,5	2,5	2,5	2,5		
												5	5	5	5	5		
VA	0,2S													2,5	2,5	2,5		
														5	5	5		
														10	10	10		
														15	15	15		
														2,5	2,5	2,5		
														5	5	5		

OPTIONAL ACCESSORIES:

- Snap-on mounting brackets for rail TS 35 (DIN EN 60715), metal and rotatable or polyamide and inflexible
- Copper bus bars in various sizes
- Insulating caps for the mounting pins of the bus bar fixing device

SPECIAL DESIGNS (ON REQUEST):

- Non-standard primary and secondary rated currents
- Casted with resin
- Highest voltage for equipment 1,2 kV
- Tapped design (secondary changeover, 2 currents)

IPS SERIES



GENERAL FEATURES

All our summation current transformers comply with the standard IEC 61869.

GENERAL MECHANICAL FEATURES:

- Break-proof ABS enclosure, IP40
- Flame retardant according to UL 94
- Nickel-plated terminals with cross-head screws
- Integrated protection against contact IP10

- for main CTs with equal or unequal primary currents
- primary current 5 or 1 A
- secondary current 5 or 1A
- accuracy class 1 or 0,5
- for up to 9 main CTs

GENERAL ELECTRICAL FEATURES:

- Highest voltage for equipment $U_m = 0,72 \text{ kV}$
(other voltages on request)
- Nominal frequency withstand voltage (RMS)
4 kV/1 min (other voltages on request)
- Rated frequencies 50-60Hz
(other frequencies on request)
- Temperature rise limit class E (other classes on request)
- Rated short-time thermal current $I_{th} = 60 \times I_{pr}$
- Rated dynamic current $I_{dyn} = 2,5 \times I_{th}$
- Instrument security factor FS5 to FS10
- Power consumption per input: 1 ... 4 W
- Weight: 2 - 4 main CT approx. 300 – 400 g
 5 - 9 main CTs approx.. 400 – 600g

GENERAL INFORMATION

GENERAL INFORMATION:

Summation current transformers are used to add secondary currents of several main CTs in order to measure with one instrument only.

Summation current transformers generate a standardised current output signal. Input currents are added up and the sum is divided by the number of input currents.

Summation current transformers are available for equal and unequal ratios of the main current transformers.

When ordering a summation current transformer for unequal ratios please always indicate the transformation ratios of the main CTs since these are used to weight the input currents internally. Note that the highest to the lowest primary current ratio shall not exceed a ratio of 10 : 1.

Unused primary connections of the summation CT have to remain open and never to be short-circuited in contrary to unused secondary connections which have to be short-circuited.

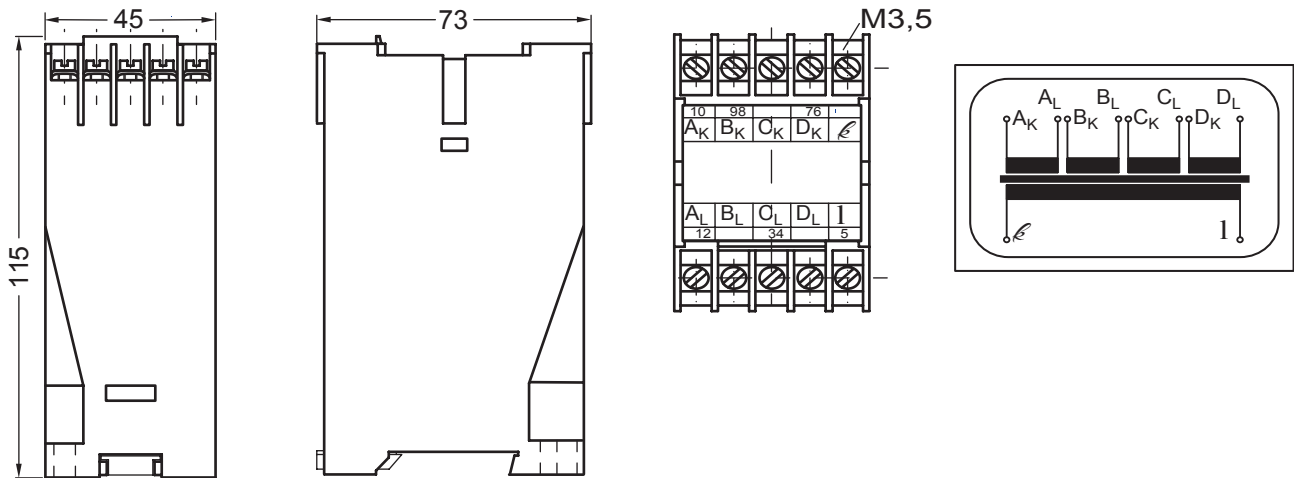
Current addition in summation current transformers is always performed by vector addition, meaning that both vector magnitude and vector angle are considered. The sum of all currents can even result in zero, e.g. in residual current measurement applications. Standardly summation current transformers are used for the addition of currents of the same phase.

When connecting main CTs in inverse direction to the summation current transformer as well differences can be achieved.

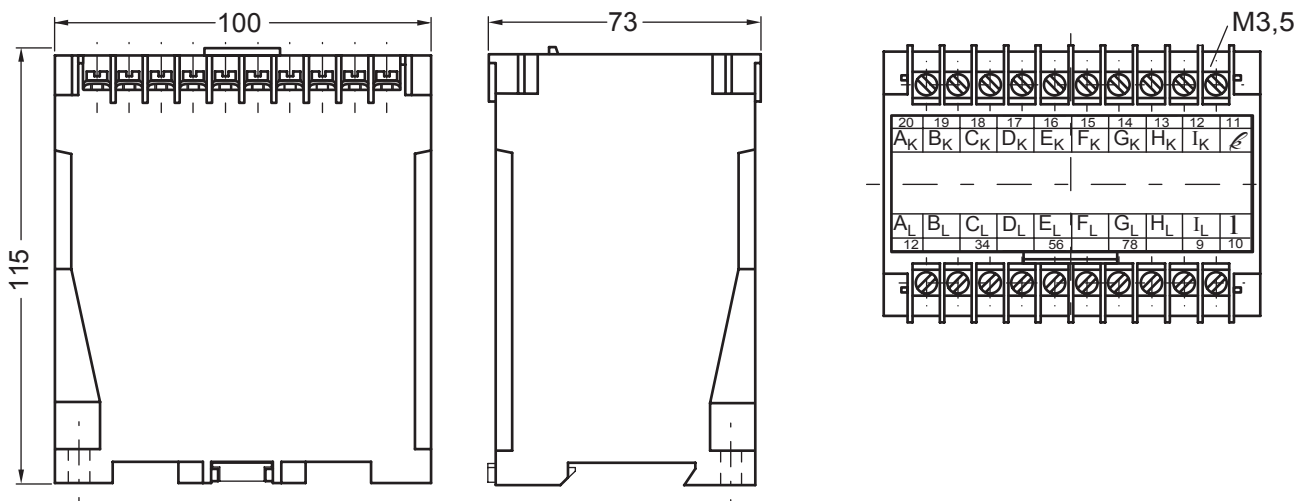
In case of equal main CTs it does not matter to which input the main CTs are connected in contrary unequal main CTs where each main CT has a defined input.

No. of primary CTs	Current ratios of main CTs		Enclosure	Burden	Accuracy class
	Equal	Unequal			
2	IPS 20	IPS 21	D10	2,5 – 10 VA to 30 VA	1 or 0,5
			D20		
3	IPS 30	IPS 31	D10	2,5 – 10 VA to 30 VA	1 or 0,5
			D20		
4	IPS 40	IPS 41	D10	2,5 – 10 VA to 30 VA	1 or 0,5
			D20		
5	IPS 50	IPS 51	D20	2,5 – 10 VA	1 or 0,5
6	IPS 60	IPS 61	D20	2,5 – 10 VA	1 or 0,5
7	IPS 70	IPS 71	D20	2,5 – 10 VA	1 or 0,5
8	IPS 80	IPS 81	D20	2,5 – 10 VA	1 or 0,5
9	IPS 90	IPS 91	D20	2,5 – 10 VA	1 or 0,5

ENCLOSURE D10 (2 – 4 MAIN CTs):



ENCLOSURE D20 (5 – 9 MAIN CTs):



ORDERING EXAMPLE:

Four main CTs with equal current ratios of 1000/5A each shall be added-up. The rated power shall be 5 VA and the accuracy class 1. Please order the type IPS40 5+5+5+5/5A, 5VA, Cl. 1.

Five main CTs with unequal current ratios of 1000/5A, 600/5A, 600/5A, 250/5A, 250/5A shall be added-up. The rated power shall be 10 VA and the accuracy class 1. Please order the type IPS51 5+5+5+5+5/5A, 10VA, Cl. 1 and provide the ratios (1000/5A, 600/5A, 600/5A, 250/5A, 250/5A) in the ordering text.

AC & DC CT

RES 100



GENERAL INFORMATION

With our RES 100 current transformer you can measure even the smallest current fluctuation in the grid. It determines currents from 0 (DC) up to 500 kHz (AC) with 100 ppm accuracy. This superb accuracy is based on the Zero-Flux™ technology that guarantees a high linearity as well as low frequency and phase errors.

TOP FEATURES:

- Extremely high accuracy
- Large frequency range

APPLICATIONS:

- Power Quality
- Electric mobility
- Measurement of differential currents
- Harmonics monitoring

BASIC PRINCIPLE:

The primary current generates a magnetic flux that will be counteracted by the current in the secondary winding of the measuring head. Any remaining flux is sensed by the three toroidal ring cores located within the secondary winding volume. Two of them, N1 and N2, are used to sense the DC part of the remaining flux. N3 senses the AC part. The Zero-Flux™ current transformer has a double peak detector to find the DC flux. An oscillator drives the two DC flux-sensing cores into saturation in opposite directions. The resulting peaks are equal in both directions if the remaining DC flux is zero. If not, their difference is proportional to the residual DC flux.

After adding the AC component (N3), a control loop is set to generate the secondary current that makes the flux zero. A power amplifier provides this current I_{sr} to the secondary winding N_s .

Above several kHz, the power amplifier no longer has active control over its output current, but merely forms a short circuit. The Zero-Flux™ current transformer still performs as a wideband current measuring device but now with the measuring head as a passive current transformer.

If the core saturates due to the primary overload, the zero flux condition is lost and a search cycle is started automatically. This means the secondary current is swept between the minus and plus current limits in a slow triangle until zero flux is detected and normal tracking continues. The same happens when the auxiliary power is switched on with the primary current present.

The secondary current, which is a scaled image ($1/N_s$) of the primary current, can be fed to an external burden resistor to convert the signal into voltage.

The unique design of the Zero-Flux™ current transformer system provides high accuracy and stability without the need for temperature control devices. The REDUR RES 100 is at least twice as accurate as required for CTs of class 0,1 according to IEC 61869-1. The high bandwidth of RES 100 is guaranteed through an optimal selection of the stray reactance and the capacitance of the measuring head inside the RES 100.

TECHNICAL FEATURES

MAIN FEATURES (EXAMPLE, OTHER PARAMETERS ON REQUEST)

Rated current I_{pr}	0 ... 150 A _{RMS}
Permissible overcurrent	
10 s	120% of I_{pr}
0,1 s	200% of I_{pr}
Transformation ratio	1000 : 1
Output signal	N-canal MOSFET $I_{MAX} = 150 \text{ mA}$, $V_{MAX} = 40 \text{ V}_p$
Output load	0 ... 50 Ω (burden resistor at I_{pr})
max.	300 mA _{pk}
Small signal bandwidth (5% of I_{pr})	DC ... 500 kHz (-3 dB)
Output accuracy (related to I_{pr})	
BW = 10 kHz	< 0,01 %
Output offset error at 23°C	< 5 μA
Offset drift (TC)	< 15 $\mu\text{A/K}$
Offset error versus time	< 15 $\mu\text{A/month}$
Offset error versus supply voltage	< 5 nA/mV
Linearity error	< 50 μA
Induced voltage to a 1-turn primary bus bar	< 0,3 mVpp

GENERAL FEATURES:

Auxiliary voltage	$\pm 14,0 \text{ V} \dots \pm 15,5 \text{ V}$
Power consumption at I_{pr}	< 3 W ($R_b = 0 \Omega$, $V_s = \pm 15 \text{ V}$)
Output indication	No
Polarity protection	Yes
Ambient operating temperature	0 ... +50°C
Relative humidity	20 ... 80 % (non-condensing)
Ambient storage temperature	0 ... 75°C
Pollution degree	2

TECHNICAL FEATURES

ENCLOSURE:

Dimensions (L x W x H)	45 x 75 x 137 mm
Material	PC
Weight	approx. 350 g

SAFETY:

Protection class	III (IEC 60950-1, supplied by external SELV source)
Protection degree	
Terminals	IP10 (Testfinger, EN 60529)
Enclosure	IP40 (Testfinger, EN 60529)
Flammability class acc. to UL 94	V-0
Isolation characteristics	
Creepage distance	45 mm (between primary bus bar and terminals)
Clearance distance	45 mm (between primary bus bar and enclosure)
CTI (Comparative Tracking Index)	175
Test voltage (between primary bus bar to output)	3 kV/50 Hz for 1 min (IEC 61010-1)

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SPECIALIST FOR:

- Window type current transformer
- Split core current transformers
- AC & DC current transformers
- High frequency current transformers
- Summation current transformers
- Transducers for active and reactive power, current, voltage and frequency measurements
- Current transformers with integrated transducer
- Medium voltage current and voltage transformers
- Customized instrument transformers

