



-power in control

TECHNICAL DOCUMENTATION



Protection current transformer, type SASR/SASK

Data sheet

Frequency	50/60 Hz (16 2/3 to 400 Hz on request)
Nominal Voltage	≤ 720 V AC ≤ 1200 V AC for ASK 165.5, 205.5
Isolation Class	E
Test Voltage	3000 V, 1 min, 50 Hz (Nominal Voltage ≤ 720 V) 6000 V, 1 min, 50 Hz (Nominal Voltage ≤ 1200 V)
Thermal Continuous Thermal Current	$I_{cth} = 1.0 \times I_n$ $I_{cth} = 1.2 \times I_n$ for ASK 165.5, 205.5
Rated Short-Time Thermal Current	$I_{th} = 60 \times I_n$, 1 sec (max. 100 kA)
Rated Dynamic Current	$I_{dyn} = 2.5 \times I_{th}$
Instrument Security Factor	FS 5 to 15 (see product label for specific value)
Operating Temperature	-5°C to 50°C
Storage Temperature	-25°C to 70°C
Standard References	IEC / DIN EN 61869/1+2 DIN 42600/1+2



Current transformers overview

Click on a product name or check mark to jump to information page.

Page	6		7		8		9				11			12			Page
Primary nominal current	SASR 22.3*		SASK 21.3*		SASK 31.5*		SASK 31.6				SASK 421.4			SASK 41.4			Primary nominal current
	Accuracy classes for sec. 5A and sec. 1A with information of max. burden in VA																
A	5P5	10P5	5P5	10P5	5P5	10P5	5P5	10P5	5P10	10P10	5P4	5P5	10P5	5P5	10P5		A
50							✓	✓									50
60							✓	✓	✓	✓							60
75						✓											75
80						✓	✓	✓		✓							80
100		✓			✓	✓	✓	✓	✓	✓							100
120														✓			120
125	✓	✓	✓	✓	✓	✓								✓			125
150	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				✓	✓		150
200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		200
250	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		250
300	✓	✓			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		300
400					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		400
500					✓	✓	✓	✓	✓	✓				✓	✓		500
600					✓	✓								✓	✓		600
750					✓	✓								✓			750
800																	800
1000																	1000
1200																	1200
1250																	1250
1500																	1500
1600																	1600
1800																	1800
2000																	2000
2500																	2500
3000																	3000
4000																	4000
5000																	5000
6000																	6000
7500																	7500
Primary conductor in mm			20×10		30×10 2×20×10		30×10 20×13				20×10			40×10 2×30×5			Primary conductor in mm
Round conductor in mm	22.5		19.2		28		23				20			32			Round conductor in mm
Transform. width in mm	61		61		61		95				71			71			Transform. width in mm

* For the current transformers above, click-on mountings are available for fitment onto 35mm DIN-rails (DIN 50022).

Current transformers overview

Click on a product name or check mark to jump to information page.

Page	13				15				17				19				Page
Primary nominal current	SASK 41.6				SASK 41.10				SASK 541.4				SASK 51.4				Primary nominal current
	Accuracy classes for sec. 5A and sec. 1A with information of max. burden in VA																
A	5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10	5P5	10P5			A
50																	50
60																	60
75																	75
80																	80
100	✓	✓	✓	✓	✓	✓		✓	✓	✓							100
120																	120
125									✓	✓							125
150	✓	✓	✓	✓	✓	✓			✓	✓				✓			150
200	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓			200
250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓			250
300	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			300
400	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			400
500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			500
600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			600
750					✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			750
800					✓	✓	✓	✓									800
1000									✓	✓	✓	✓	✓	✓			1000
1200																	1200
1250																	1250
1500																	1500
1600																	1600
1800																	1800
2000																	2000
2500																	2500
3000																	3000
4000																	4000
5000																	5000
6000																	6000
7500																	7500
Primary conductor in mm	40×12 30×15				40×10				40×10 2×30×5				50×12 2×40×10				Primary conductor in mm
Round conductor in mm	32				32				32				44				Round conductor in mm
Transform. width in mm	95				150				86				86				Transform. width in mm

* For the current transformers above, click-on mountings are available for fitment onto 35mm DIN-rails (DIN 50022).

Current transformers overview

Click on a product name or check mark to jump to information page.

Page	20				22		23				25		26				Page
Primary nominal current	SASK 51.6				SASK 61.4		SASK 61.10				SASK 63.6		SASK 105.6				Primary nominal current
	Accuracy classes for sec. 5A and sec. 1A with information of max. burden in VA																
A	5P5	10P5	5P10	10P10	5P5	10P5	5P5	10P5	5P10	10P10	5P5	10P5	5P5	10P5			A
50																	50
60																	60
75																	75
80																	80
100																	100
120																	120
125																	125
150	✓	✓	✓	✓													150
200	✓	✓	✓	✓	✓	✓					✓	✓					200
250	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					250
300	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					300
400	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					400
500	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓					500
600	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			600
750	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			750
800																	800
1000	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			1000
1200					✓	✓	✓	✓	✓	✓			✓	✓			1200
1250					✓	✓	✓	✓	✓	✓			✓	✓			1250
1500							✓	✓	✓	✓			✓	✓			1500
1600													✓	✓			1600
1800																	1800
2000																	2000
2500																	2500
3000																	3000
4000																	4000
5000																	5000
6000																	6000
7500																	7500
Primary conductor in mm	50×12 40×30				60×10 2×50×10		60×10 0×30				60×30		100×55				Primary conductor in mm
Round conductor in mm	40				44		30				30		55				Round conductor in mm
Transform. width in mm	95				96		150				88		129				Transform. width in mm

* For the current transformers above, click-on mountings are available for fitment onto 35mm DIN-rails (DIN 50022).

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 transformers and protection transformers.

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

Measuring transformer

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 DEIF current transformers are produced in accordance with the technical requirements of DIN EN 60044/1 (edition 12/2003)

Technical characteristics

Application use: Indoors, without condensation

Protection current transformers

Ambient temperature: - 5°C ... + 40°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: 5A or 1A

Thermal rated short time current: $60 \times I_N$ (max.100kA)

Max. excess temperature of the secondary winding: 75°C

Isolating test voltage: 3kV U_{EFF} ; 50Hz, 1min

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 and rated burden

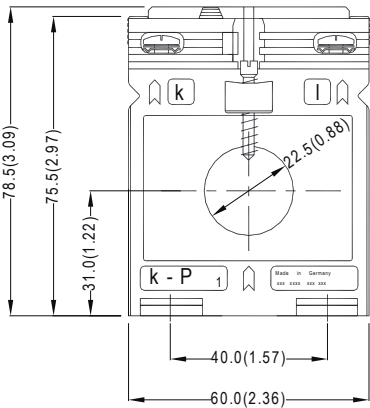
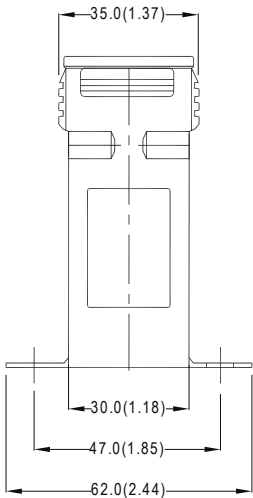
Accuracy classes of current transformers:

Class	Current error (± %) by % I _N						Phase displacement error (± minutes) by % I						total error by n × I _N
	1%	5%	20%	50%	100%	120%	1%	5%	20%	50%	100%	120%	
Measuring 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 rated limiting factor



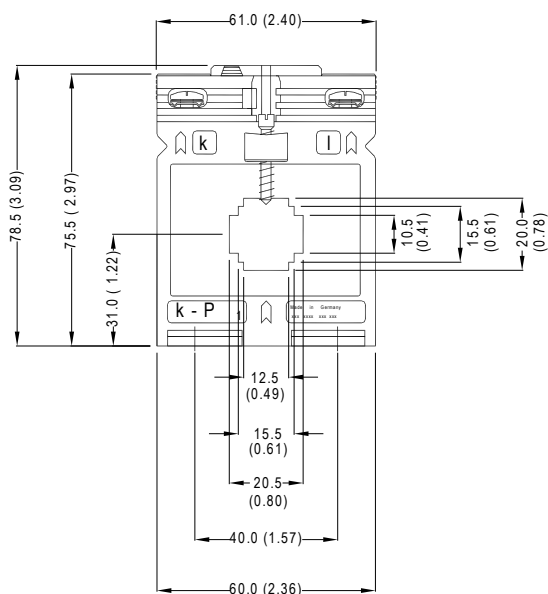
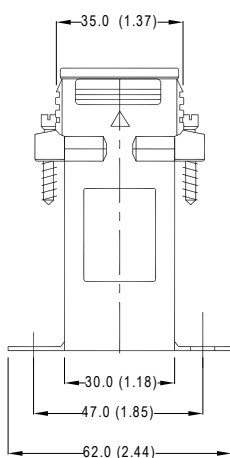
Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5 Art.-no.	10P5 Art.-no.	5P5 Art.-no.	10P5 Art.-no.
100	1				✓
125	1	✓	✓		
	1.5			✓	✓
150	1	✓	✓		
	1.5			✓	✓
200	1	✓	✓		
	1.5			✓	✓
250	1	✓	✓		
	1.5			✓	✓
300	1	✓	✓		
	1.5			✓	✓



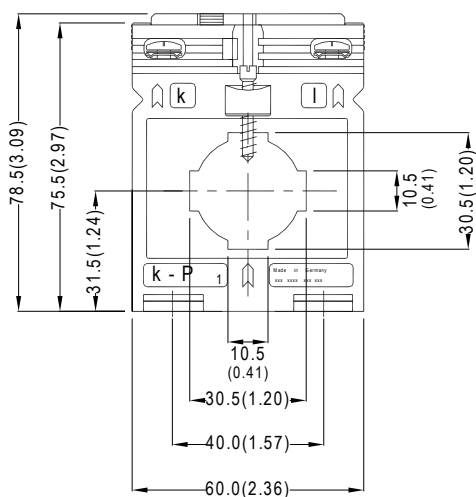
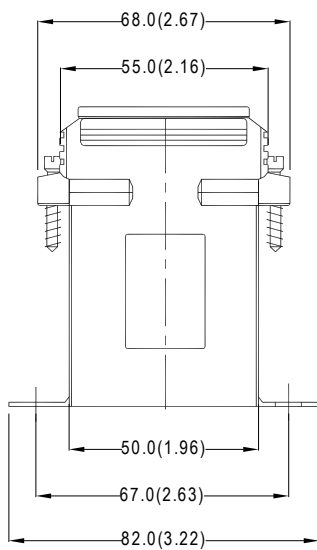
Round conductor	Ø 22.5mm
Weight	0.280-0.400kg (0.62-0.88lbs)
Security factor	FS 5
DIN rail mounting	Item number: 1213990001
Sealed shutter	Type: 59040



Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5	10P5	5P5	10P5
		Art.-no.	Art.-no.	Art.-no.	Art.-no.
125	1	✓	✓		
	1.5			✓	✓
150	1	✓	✓		
	1.5			✓	✓
200	1	✓	✓		
	1.5			✓	✓

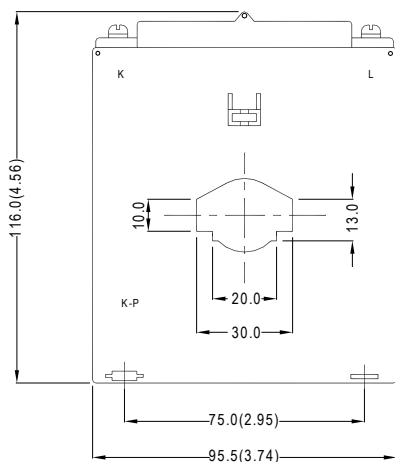
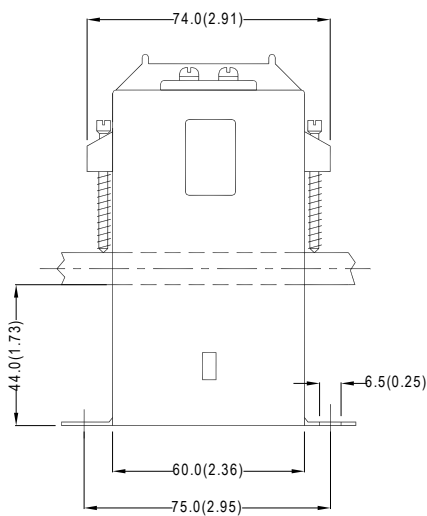
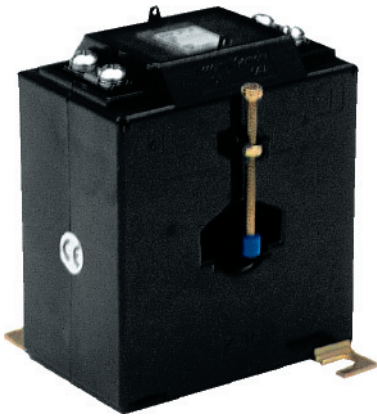


Primary conductor	20 × 10mm
Round conductor	Ø 19mm
Weight	0.190-0.380kg (0.42-0.84lbs)
Security factor	FS 5
DIN rail mounting	Item number: 1213990006
Sealed shutter	Type: 59040



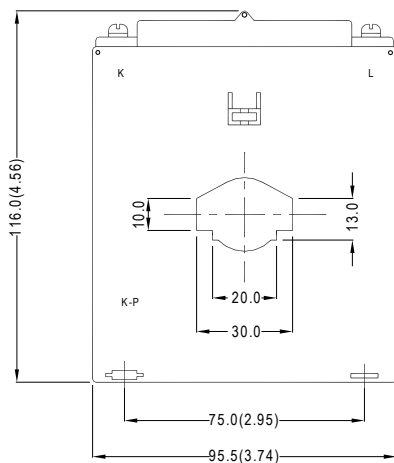
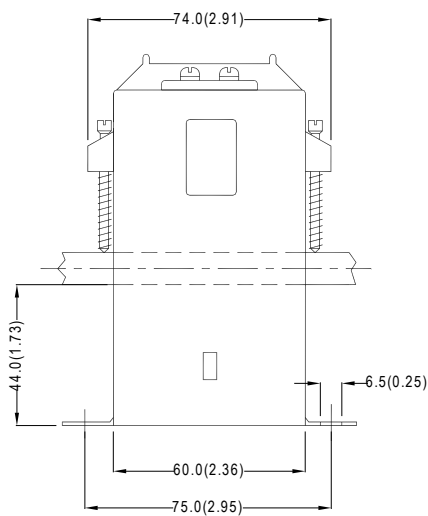
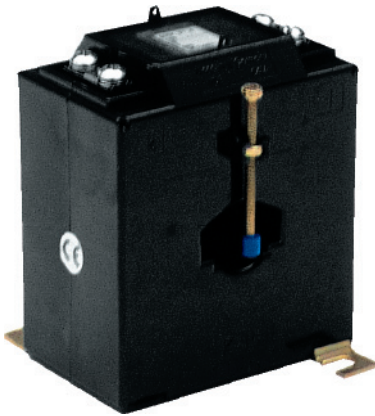
Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5 Art.-no.	10P5 Art.-no.	5P5 Art.-no.	10P5 Art.-no.
75	1			✓	✓
80	1			✓	✓
100	1	✓	✓		
	1.5			✓	✓
125	1	✓	✓		
	1.5		✓	✓	✓
150	1	✓	✓		
	1.5	✓	✓	✓	✓
200	1	✓	✓		
	1.5	✓	✓	✓	✓
	2.5			✓	✓
250	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
300	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
400	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
500	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
600	1.5	✓	✓	✓	✓
	2.5			✓	✓
750	1.5	✓	✓	✓	✓
	2.5			✓	✓
	5				✓

Primary conductor	30 × 10mm 2 × 20 × 10mm
Round conductor	Ø 28mm
Weight	0.240 - 0.520kg (0.53– 1.15lbs)
Security factor	FS 5
DIN rail mounting	Item number: 1213990003
Sealed shutter	Type: 59041



Secondary current		5A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
50	1.5	✓	✓		
	2.5	✓	✓		
60	1.5	✓	✓		✓
	2.5	✓	✓		
80	1.5	✓	✓	✓	✓
	2.5	✓	✓		
100	1.5	✓	✓	✓	✓
	2.5	✓	✓		✓
	5	✓	✓		
150	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
200	2.5	✓	✓	✓	✓
	5	✓	✓		✓
	7.5	✓	✓		
	10	✓	✓		
250	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
300	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	10	✓	✓		
400	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
	15	✓	✓		
500	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		
	15	✓	✓		
600	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		✓
	15	✓	✓		

Primary conductor	30 × 10mm 20 × 13mm
Round conductor	Ø 23mm
Weight	0.310 - 1.900kg (0.68– 4.19lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59044

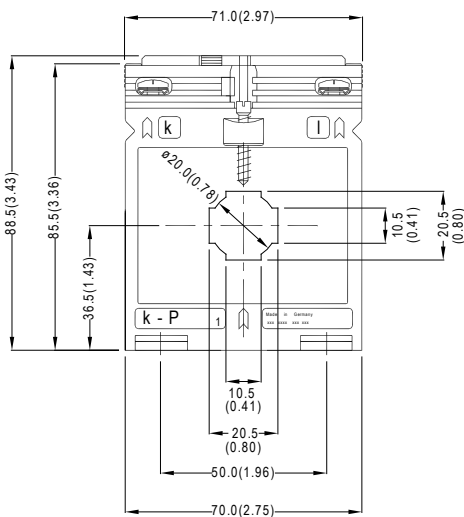
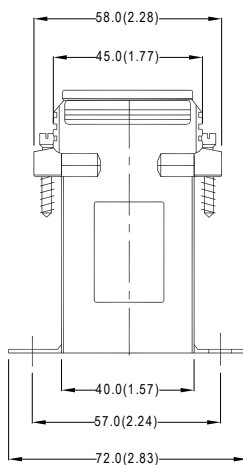


Secondary current		1A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
50	1.5	✓	✓		
	2.5	✓	✓		
60	1.5	✓	✓	✓	✓
	2.5	✓	✓		
80	1.5	✓	✓	✓	✓
	2.5	✓	✓		
	5		✓		
100	2.5	✓	✓	✓	✓
	5	✓	✓		
150	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
200	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
250	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
300	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	10	✓	✓		
400	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		
	15	✓	✓		
500	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		✓
	15	✓	✓		
600	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		✓
	15	✓	✓		

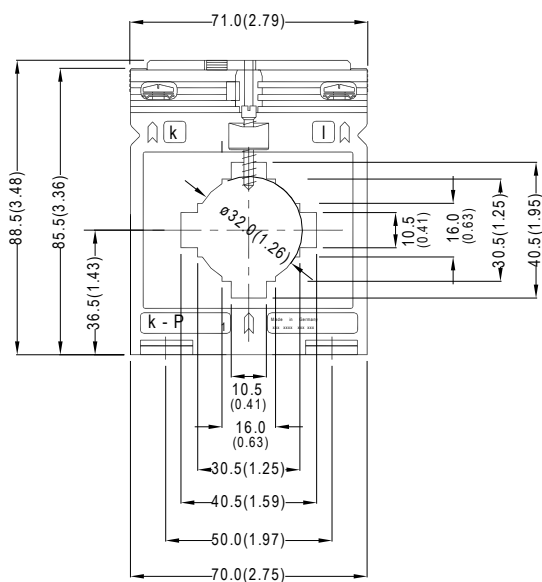
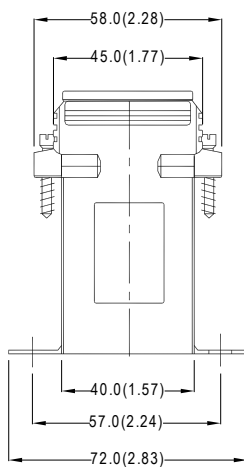
Primary conductor	30 × 10mm 20 × 13mm
Round conductor	Ø 23mm
Weight	0.310 - 1.900kg (0.68– 4.19lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59044



Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5	10P5	5P5	10P5
		Art.-no.	Art.-no.	Art.-no.	Art.-no.
200	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
250	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
300	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
400	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓

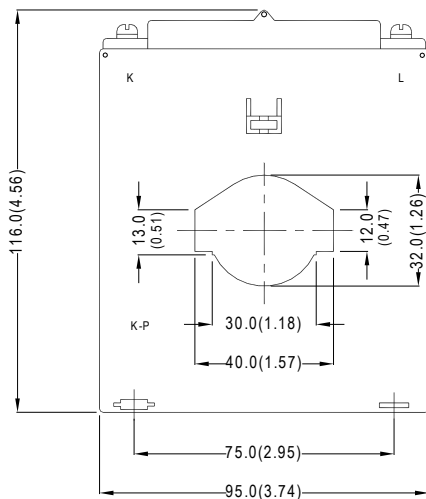
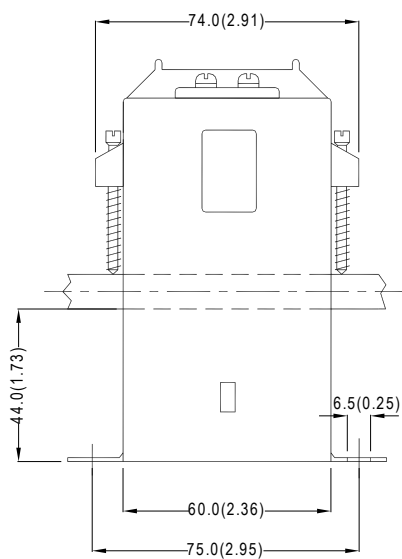


Primary conductor	20 × 10mm
Round conductor	Ø 20mm
Weight	0.290 - 1.000kg (0.64-2.20lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59041



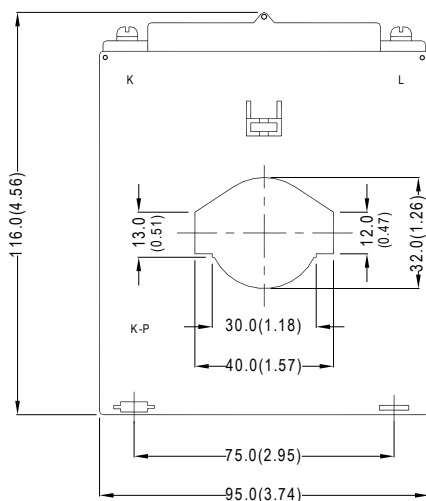
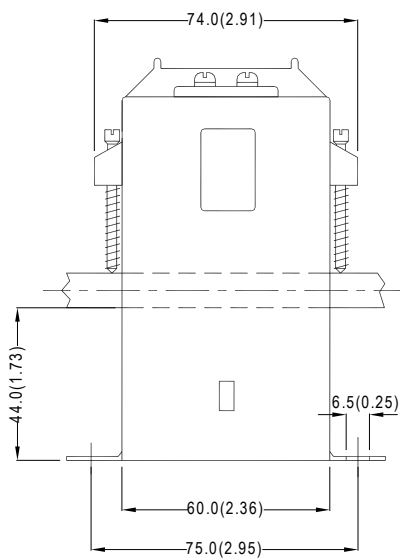
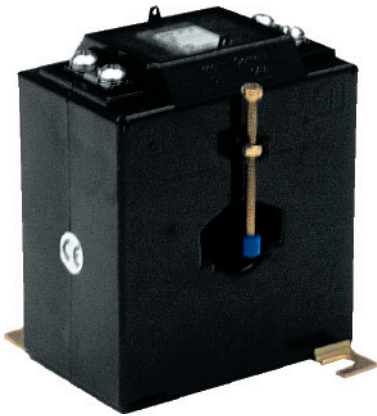
Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5 Art.-no.	10P5 Art.-no.	5P5 Art.-no.	10P5 Art.-no.
120	1	✓	✓	✓	✓
125	1	✓	✓	✓	✓
150	1	✓	✓		
	1.5		✓	✓	✓
200	1.5	✓	✓	✓	✓
250	1.5	✓	✓	✓	✓
	2.5		✓	✓	✓
300	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
400	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
500	1.5	✓	✓	✓	✓
	2.5			✓	✓
600	1.5	✓	✓	✓	✓
	2.5			✓	✓
750	1.5	✓	✓	✓	✓
	2.5		✓	✓	✓

Primary conductor	40 × 10mm 2 × 30 × 5mm
Round conductor	Ø 32mm
Weight	0.240 - 0.800Kg (0.53-1.76lbs)
Security factor	FS 5
DIN rail mounting	Item number: 1213990004
Sealed shutter	Type: 59041



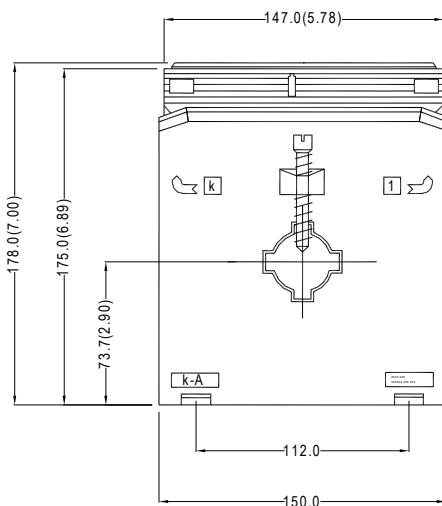
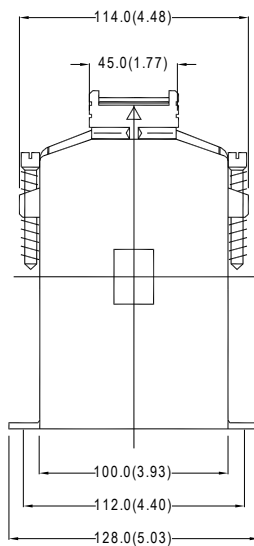
Secondary current		5A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
100	1.5	✓	✓	✓	✓
	2.5	✓	✓		
150	2.5	✓	✓	✓	✓
	5	✓	✓		
200	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
	10		✓		
250	2.5	✓	✓	✓	✓
	5	✓	✓		✓
	7.5	✓	✓		
	10	✓	✓		
300	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
400	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
500	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
600	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		

Primary conductor	40 × 12mm 30 × 15mm
Round conductor	Ø 32mm
Weight	0.320 - 2.000kg (0.71-4.41lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59044



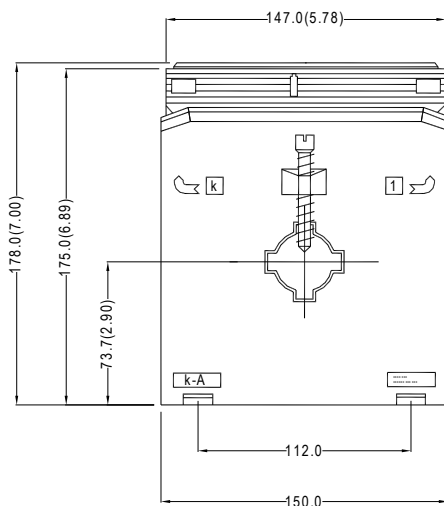
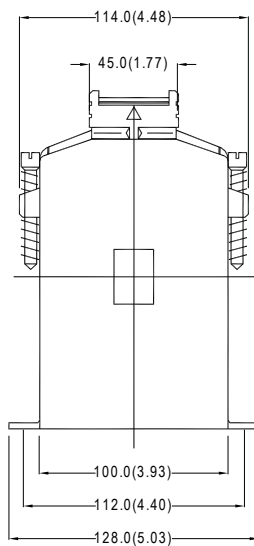
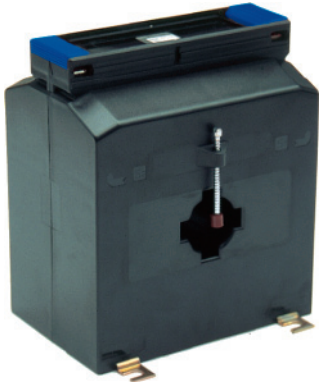
Secondary current		1A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
100	1.5	✓	✓	✓	✓
	2.5	✓	✓		
150	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5		✓		
200	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
	10		✓		
250	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
300	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
400	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
500	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
600	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		

Primary conductor	40 × 12mm 30 × 15mm
Round conductor	Ø 32mm
Weight	0.320 - 2.000kg (0.71-4.41lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59044



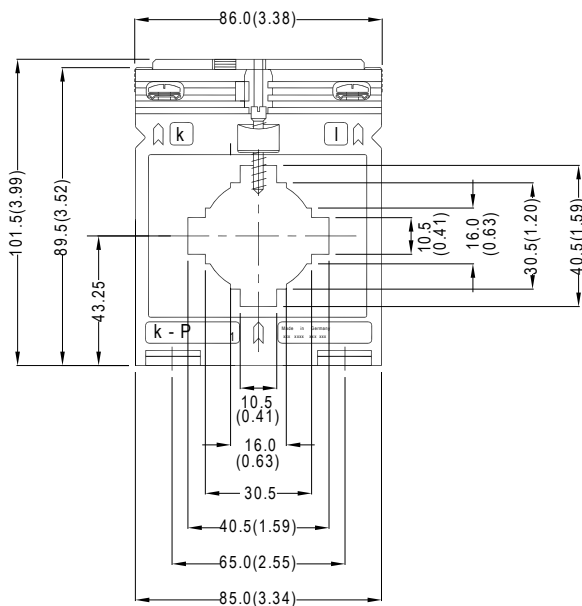
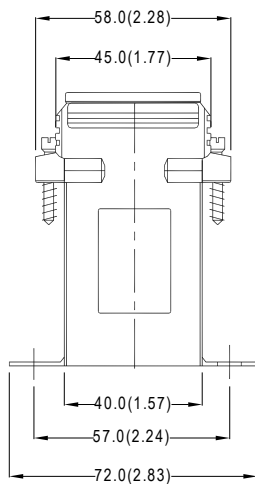
Secondary current		5A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
100	5	✓	✓		✓
	7.5	✓	✓		
	10	✓	✓		
	15		✓		
150	5	✓	✓		
	7.5	✓	✓		
	10	✓	✓		
	15	✓	✓		
200	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		✓
	15	✓	✓		
250	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓		✓
300	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓		✓
400	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
500	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
600	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
750	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
800	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓

Primary conductor	40 × 10mm
Round conductor	Ø 32mm
Weight	0.900-4.240kg (1.98-9.35lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Not available



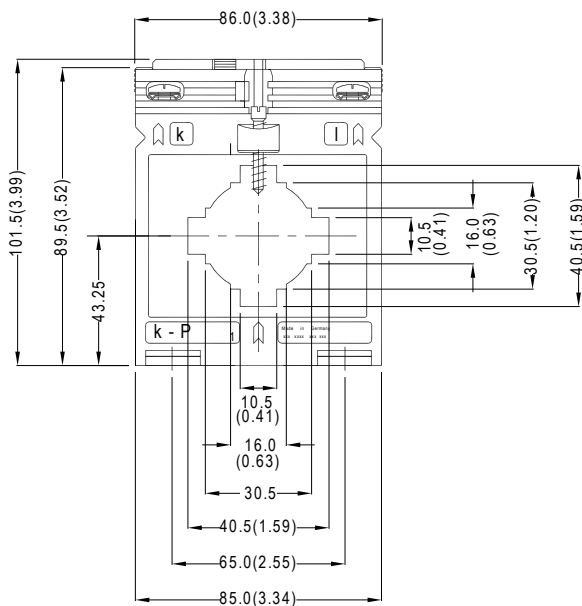
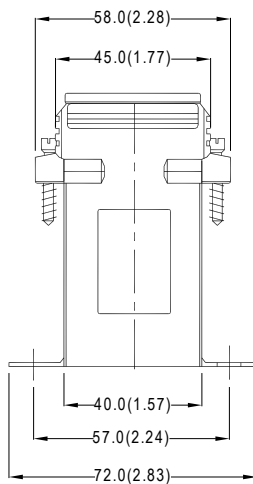
Secondary current		1A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
100	5	✓	✓		✓
	7.5	✓	✓		
	10	✓	✓		
	15		✓		
150	5	✓	✓		✓
	7.5	✓	✓		
	10	✓	✓		
	15	✓	✓		
200	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		✓
	15	✓	✓		
250	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓		✓
300	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓		✓
400	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
500	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
600	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
750	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
800	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓

Primary conductor	40 × 10mm
Round conductor	Ø 32mm
Weight	0.900-4.240kg (1.98-9.35lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Not available



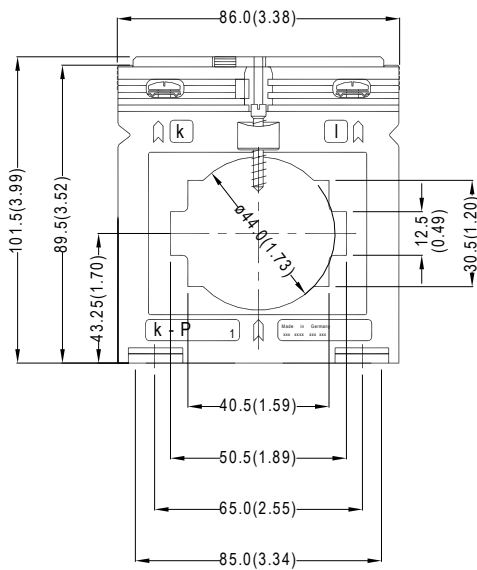
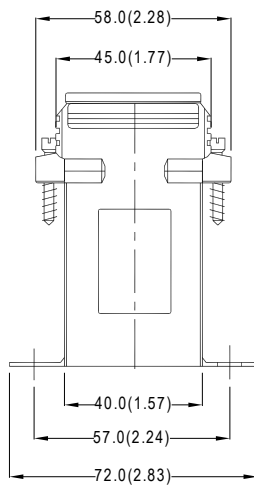
Secondary current		5A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
100	1	✓	✓		
	1.5	✓	✓		
125	1	✓	✓		
	1.5	✓	✓		
	2.5		✓		
150	1.5	✓	✓		
	2.5	✓	✓		
200	1.5	✓	✓		
	2.5	✓	✓		
250	1.5	✓	✓		✓
	2.5	✓	✓		
300	1.5	✓	✓	✓	✓
	2.5	✓	✓		
	5		✓		
400	1.5	✓	✓	✓	✓
	2.5	✓	✓		
	5	✓	✓		
500	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5		✓		
600	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5		✓		
750	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
1000	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
	10	✓	✓		

Primary conductor	40 × 10mm 2 × 30 × 15mm
Round conductor	Ø 32mm
Weight	0.270-1.000kg (0.60-2.20lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59042



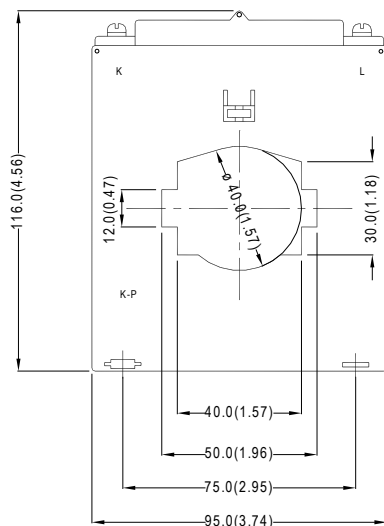
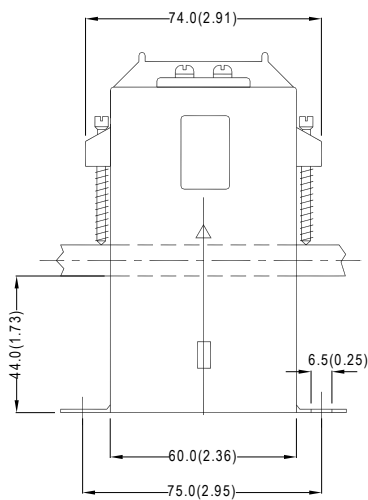
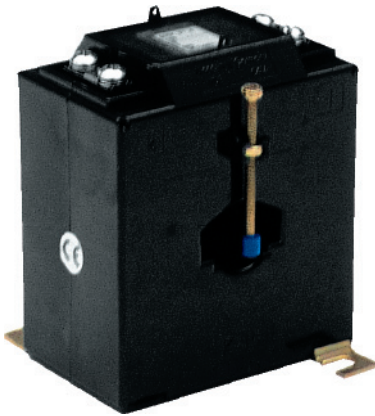
Secondary current		1A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
100	1	✓	✓		
	1,5	✓	✓		
125	1	✓	✓		
	1,5	✓	✓		
	2,5	✓	✓		
150	1,5	✓	✓		
	2,5	✓	✓		
200	1,5	✓	✓		
	2,5	✓	✓		
250	1,5	✓	✓	✓	✓
	2,5	✓	✓		
300	1,5	✓	✓	✓	✓
	2,5	✓	✓		
	5		✓		
400	1,5	✓	✓	✓	✓
	2,5	✓	✓		
	5	✓	✓		
500	1,5	✓	✓	✓	✓
	2,5	✓	✓	✓	✓
	5	✓	✓		
600	1,5	✓	✓	✓	✓
	2,5	✓	✓	✓	✓
	5	✓	✓		
	7,5		✓		
750	1,5	✓	✓	✓	✓
	2,5	✓	✓	✓	✓
	5	✓	✓		
	7,5	✓	✓		
1000	2,5	✓	✓	✓	✓
	5	✓	✓		✓
	7,5	✓	✓		
	10	✓	✓		

Primary conductor	40 × 10mm 2 × 30 × 15mm
Round conductor	Ø 32mm
Weight	0.270-1.000kg (0.60-2.20lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59042



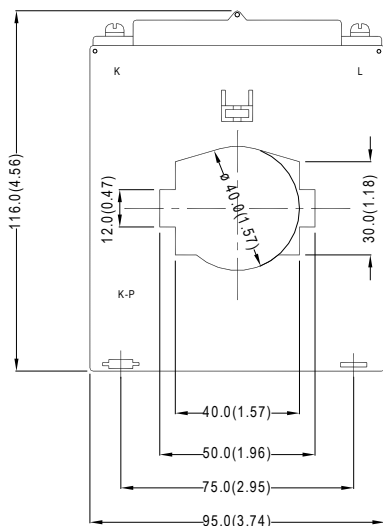
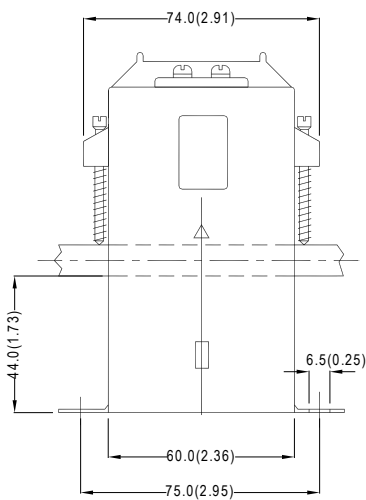
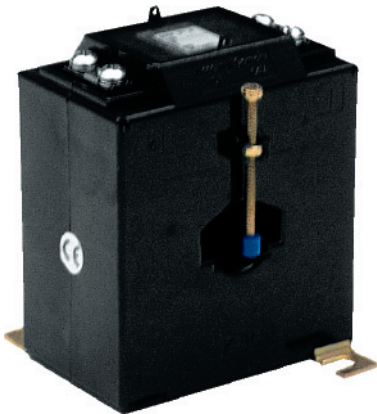
Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5	10P5	5P5	10P5
		Art.-no.	Art.-no.	Art.-no.	Art.-no.
150	1			✓	✓
200	1	✓	✓	✓	✓
	1.5		✓	✓	✓
250	1.5	✓	✓	✓	✓
	2.5				✓
300	1.5	✓	✓	✓	✓
	2.5			✓	✓
400	1.5	✓	✓	✓	✓
	2.5		✓	✓	✓
500	1.5	✓	✓	✓	✓
	2.5		✓	✓	✓
600	1.5	✓	✓	✓	✓
	2.5		✓	✓	✓
750	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
1000	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓

Primary conductor	50 × 12mm 2 × 40 × 10mm
Round conductor	Ø 44mm
Weight	0.260-0.720kg (0.57-1.59lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59042



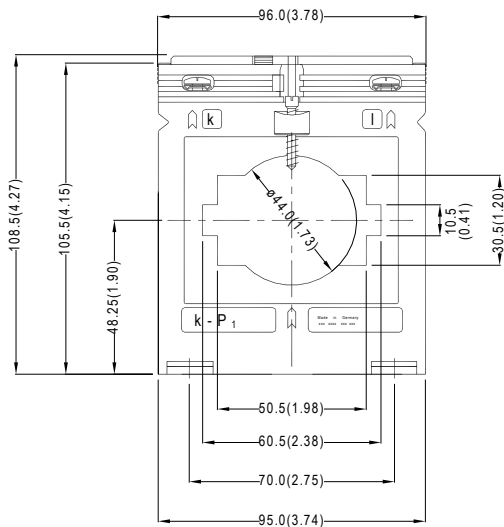
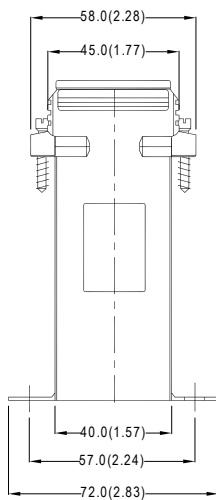
Secondary current		5A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
150	1.5	✓	✓		✓
	2.5	✓	✓		
200	1.5	✓	✓	✓	✓
	2.5	✓	✓		
	5	✓	✓		
250	2.5	✓	✓	✓	✓
	5	✓	✓		
300	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5		✓		
400	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
500	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
	10	✓	✓		
600	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
	10	✓	✓		
750	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
1000	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		

Primary conductor	50 × 12mm 40 × 30mm
Round conductor	Ø 40mm
Weight	0.360-1.280kg (0.79-2.82lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59044



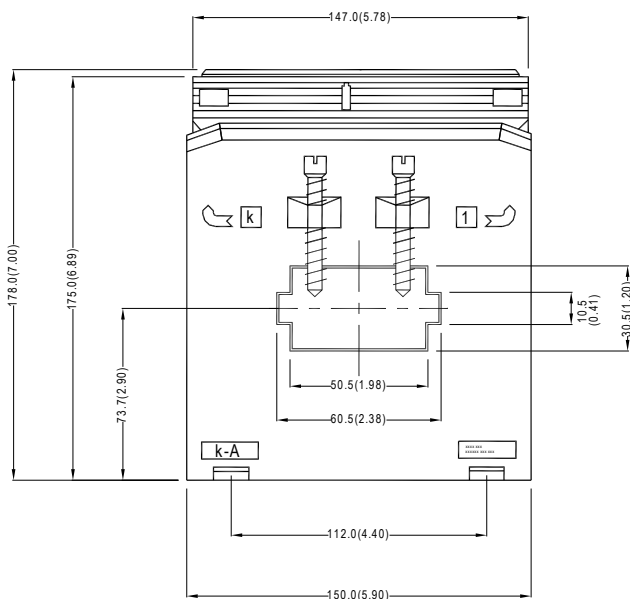
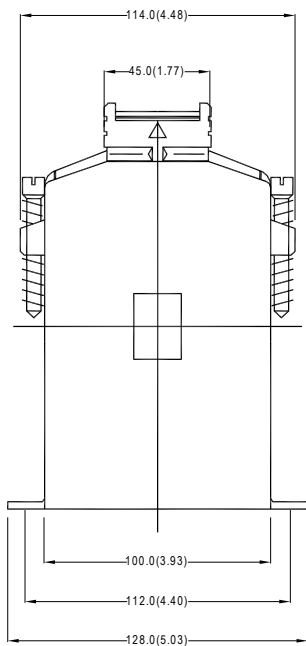
Secondary current		1A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
150	1.5	✓	✓		✓
	2.5	✓	✓		
200	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
	5	✓	✓		
250	2.5	✓	✓	✓	✓
	5	✓	✓		
300	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5		✓		
400	2.5	✓	✓	✓	✓
	5	✓	✓		
	7.5	✓	✓		
500	2.5	✓	✓	✓	✓
	5	✓	✓		✓
	7.5	✓	✓		
	10	✓	✓		
600	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓			
	10	✓	✓		
750	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		
1000	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	7.5	✓	✓		
	10	✓	✓		

Primary conductor	50 × 12mm 40 × 30mm
Round conductor	Ø 40mm
Weight	0.360-1.280kg (0.79-2.82lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59044



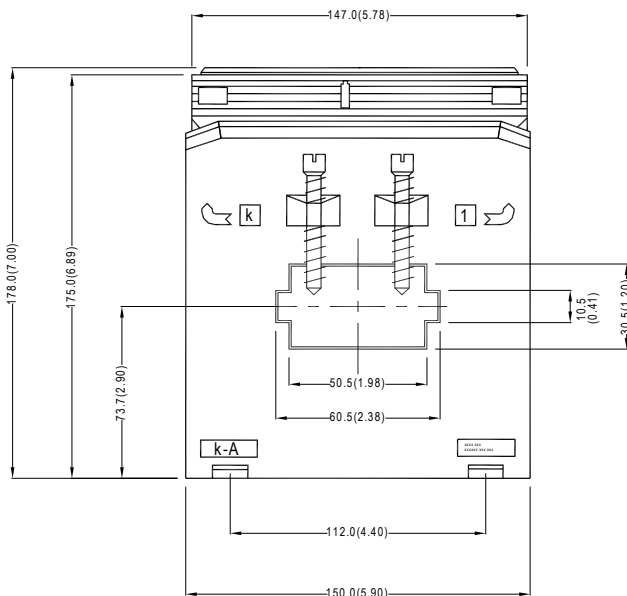
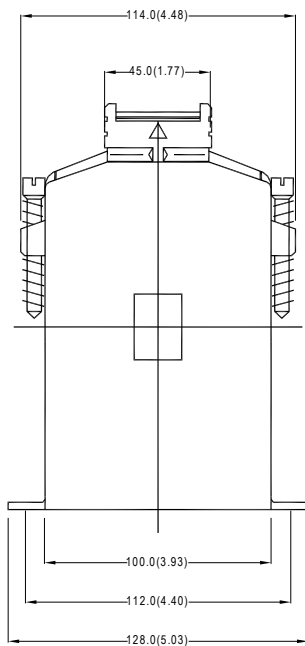
Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5	10P5	5P5	10P5
		Art.-no.	Art.-no.	Art.-no.	Art.-no.
200	1	✓	✓	✓	✓
	1.5	✓	✓	✓	✓
250	1	✓	✓	✓	✓
	1.5	✓	✓	✓	✓
300	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
400	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
500	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
600	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
750	5	✓	✓	✓	✓
	1.5	✓	✓	✓	✓
1000	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
1200	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
1250	5	✓	✓	✓	✓
	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓

Primary conductor	60 × 10mm 2 × 50 × 10m.
Round conductor	Ø 44mm
Weight	0.300-0.630kg (0.66-1.39lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59042



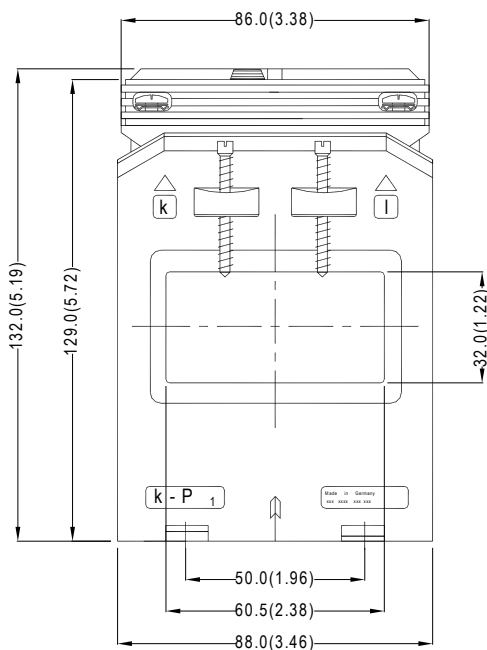
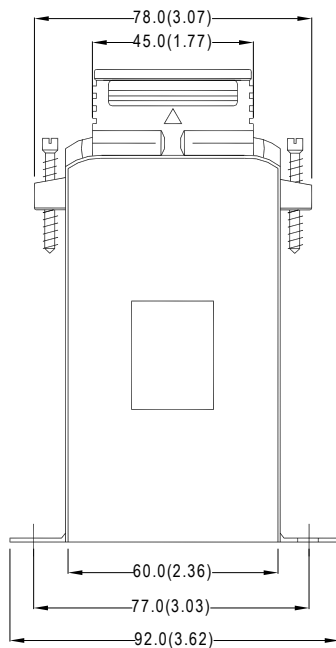
Secondary current		5A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
250	5	✓	✓	✓	✓
	7.5	✓	✓		✓
	10	✓	✓		
300	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		✓
	15	✓	✓		
400	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓		
500	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
600	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
750	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1000	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1200	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1250	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1500	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓

Primary conductor	60 × 10mm 50 × 30mm
Round conductor	Ø 30mm
Weight	0.300-3.360kg (0.66-7.41lbs)
Security factor	250A-1,500A = FS 5 1,600A-5,000A = FS 10
DIN rail mounting	Not available
Sealed shutter	Not available



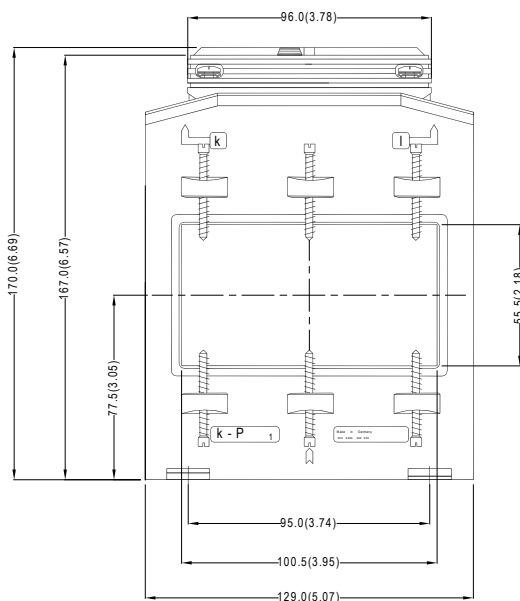
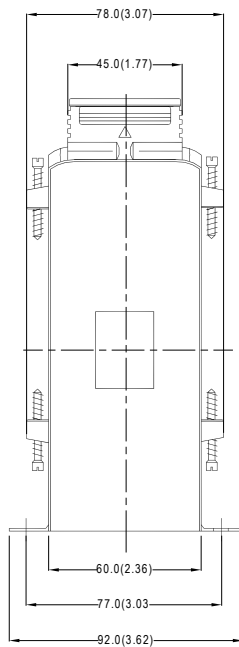
Secondary current		1A			
Primary current A	Burden VA	Protection class			
		5P5 Art.-no.	10P5 Art.-no.	5P10 Art.-no.	10P10 Art.-no.
250	5	✓	✓	✓	✓
	7.5	✓	✓		✓
	10	✓	✓		
300	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓		✓
	15	✓	✓		
400	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓		
500	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
600	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
750	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1000	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1200	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1250	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1500	5	✓	✓	✓	✓
	7.5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓

Primary conductor	60 × 10mm 50 × 30mm
Round conductor	Ø 30mm
Weight	0.300-3.360kg (0.66-7.41lbs)
Security factor	250A-1,500A = FS 5 1,600A-5,000A = FS10
DIN rail mounting	Not available
Sealed shutter	Not available



Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5	10P5	5P5	10P5
		Art.-no.	Art.-no.	Art.-no.	Art.-no.
200	1.5	✓	✓	✓	✓
	2.5		✓	✓	✓
250	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
300	1.5	✓	✓	✓	✓
	2.5	✓	✓	✓	✓
400	2.5	✓	✓	✓	✓
	5		✓	✓	✓
500	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
600	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
750	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
1000	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓

Primary conductor	60 × 30mm
Round conductor	Ø 30mm
Weight	0.200-1.300kg (0.44-2.87lbs)
Security factor	FS 5
DIN rail mounting	Not available
Sealed shutter	Type: 59042



Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5	10P5	5P5	10P5
		Art.-no.	Art.-no.	Art.-no.	Art.-no.
600	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
750	2.5	✓	✓	✓	✓
	5	✓	✓	✓	✓
	10		✓	✓	✓
1000	5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15				✓
1200	5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15		✓	✓	✓
1250	5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1500	5	✓	✓	✓	✓
	10	✓	✓	✓	✓
	15	✓	✓	✓	✓
1600	10	✓	✓	✓	✓
	15	✓	✓	✓	✓

Primary conductor	100 × 55mm
Round conductor	Ø 55mm
Weight	0.800-1.580kg (1.76-3.48lbs)
Security factor	600A-1,500A = FS 5 1,600A = FS 10
DIN rail mounting	Not available
Sealed shutter	Type: 59042

On request, we can provide you with a test certificate for a specific current transformer along with the CT. Please inform us when placing your order.

On request, we can supply a transparent plastic cover. The cover seals the connections on the CT in a way that leaves the type label visible. Please check availability on each individual data sheet.



On request, we can provide you with an excitation curve for a specific current transformer along with the CT. Please inform us when placing your order.

Frequency range for a standard CT is 50-60Hz. On request, we can provide you with a frequency range from 16 2/3 – 400Hz. Please inform us when placing your order.

Cast resin is standard for all CT's with a nominal current >4,000A. On request, all CT's with a nominal current <4,000A can be produced with cast resin. Please inform us when placing your order. The min. and max. weight specification for each type refers to standard versions. The specification is different if cast resin is ordered for CT's <4,000A.

Foot angle for screw mounting and busbar mounting screws with isolating protection caps are supplied along with the CT. DIN-rail mounting for tubes, plug-ins and protection transformers is available on request for certain CT types. Please check availability on each individual data sheet.

