

SASR and SASK

Protection current transformers

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1. About protection current transformers

1.1 About protection current transformers

Protection current transformers are used for over-current and earth fault protection in balanced protection systems. The housing of the transformers is made of impact resistant thermoplastic to ensure a highly reliable quality. The terminals of the transformers are protected by a cover.

DEIF offers numerous different physical sizes of the measuring transformers in two series:

- SASR:
 - Designed for round cables
 - Primary current from 100 to 300 A
 - Class: 5P5 and 5P10
- SASK:
 - Designed for cables and busbar
 - Primary current from 50 to 1600 A
 - Class: 5P5, 5P10, 10P5, 10P10 and 5P20

Technical standards

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

Safety instructions

The protection current transformer's physical characteristics has 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 occur. In order to prevent any mishaps an operation as described above is forbidden.

1.2 Technical specifications, general

Category	Specification
Frequency	50/60 Hz (16 2/3 to 400 Hz on request)
Nominal voltage	≤ 720 V AC
Isolation class	E
Test voltage	3000 V, 1 min, 50 Hz (nominal voltage ≤ 720 V)
Thermal continuous thermal current	$I_{cth} = 1.0 \times I_n$
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 10 (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

1.3 Accuracy classes of protection current transformers

Class	Current error ($\pm$ %) by % I _N					Phase displacement error ($\pm$ minutes) by % I					Total error by $n \times I_N$
	5 %	20 %	50 %	100 %	120 %	5 %	20 %	50 %	100 %	120 %	
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

1.4 Overview of protection current transformers

Primary nominal current [A] ↓	SASR 22.3*		SASK 21.3*		SASK 31.5*		SASK 31.6				SASK 421.4	
	5P5	10P5	5P5	10P5	5P5	10P5	5P5	10P5	5P10	10P10	5P5	10P5
50							•	•				
60							•	•	•	•		
75						•						
80						•	•	•		•		
100		•			•	•	•	•	•	•		
120												
125	•	•	•	•	•	•						
150	•	•	•	•	•	•	•	•	•	•		
200	•	•	•	•	•	•	•	•	•	•	•	•
250	•	•			•	•	•	•	•	•	•	•
300	•	•			•	•	•	•	•	•	•	•
400					•	•	•	•	•	•	•	•
500					•	•	•	•	•	•		
600					•	•						
Primary conductor (mm)			20 x 10		30 x 10 2 x 20 x 10		30 x 10 20 x 13				20 x 10	
Round conductor (mm)	22.5		19.2		28		23				20	
Transf. width (mm)	61		61		61		95				71	

Primary nominal current [A] ↓	SASK 41.4		SASK 41.6				SASK 41.10				SASK 541.4		
	5P5	10P5	5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10	5P5	10P5	10P10
100			•	•	•	•	•	•		•	•		
120	•												

Primary nominal current [A] ↓	SASK 41.4		SASK 41.6				SASK 41.10				SASK 541.4		
Accuracy class →	5P5	10P5	5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10	5P5	10P5	10P10
125	•										•		
150	•	•	•	•	•	•	•	•			•		
200	•	•	•	•	•	•	•	•	•	•	•		
250	•	•	•	•	•	•	•	•	•	•	•		
300	•	•	•	•	•	•	•	•	•	•	•	•	•
400	•	•	•	•	•	•	•	•	•	•	•	•	•
500	•	•	•	•	•	•	•	•	•	•	•	•	•
600	•	•	•	•	•	•	•	•	•	•	•	•	•
750	•						•	•	•	•	•	•	•
800							•	•	•	•			
1000											•	•	•
Primary conductor (mm)	40 x 10 2 x 30 x 5		40 x 12 30 x 15				40 X 10				40 x 10 2 x 30 x 5		
Round conductor (mm)	32		32				32				32		
Transf. width (mm)	11		95				150				86		

Primary nominal current [A] ↓	SASK 51.4		SASK 51.6				SASK 61.4		SASK 61.10				SASK 63.6	
Accuracy class →	5P5	10P5	5P5	10P5	5P10	10P10	5P5	10P5	5P5	10P5	10P10	5P20	5P5	5P10
150		•	•	•	•	•								
200	•	•	•	•	•	•	•	•					•	•
250	•	•	•	•	•	•	•	•	•	•	•		•	•
300	•	•	•	•	•	•	•	•	•	•	•		•	•
400	•	•	•	•	•	•	•	•	•	•	•		•	•
500	•	•	•	•	•	•	•	•	•	•	•		•	•
600	•	•	•	•	•	•	•	•	•	•	•		•	•
750	•	•	•	•	•	•	•	•	•	•	•		•	•
800														
1000	•	•	•	•	•	•	•	•	•	•	•		•	•
1200							•	•	•	•	•			
1250							•	•	•	•	•			
1500									•	•	•	•		
1600												•		

Primary nominal current [A] ↓	SASK 51.4		SASK 51.6				SASK 61.4		SASK 61.10				SASK 63.6	
Accuracy class →	5P5	10P5	5P5	10P5	5P10	10P10	5P5	10P5	5P5	10P5	10P10	5P20	5P5	5P10
1800														
2000												•		
Primary conductor (mm)	50 x 12 2 x 40 x 10		50 x 12 40 x 30				60 x 10 2 x 50 x 10		60 x 10 50 x 30				60 x 30	
Round conductor (mm)	44		40				44		30				30	
Transf. width (mm)	86		95				96		88				88	

NOTE * Click-on mounting on 35 mm DIN rails (DIN 50022) available.

1.5 Disclaimer

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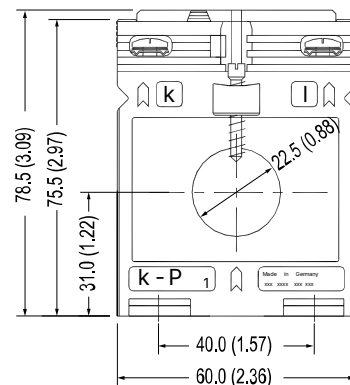
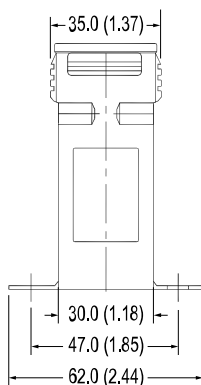
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2. Protection current transformers

2.1 SASR 22.3 protection current transformers

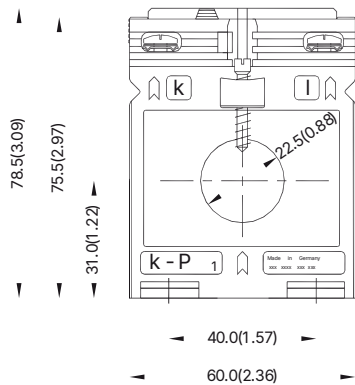
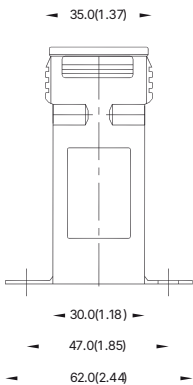


Specifications

Round conductor	Ø22.5 mm
Weight	0.280 - 0.400 kg (0.62 - 0.88 lbs)
DIN rail mounting	Item number 2961900710.03
Sealed shutter	Not available

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Protection class		Protection class	
		5P5	10P5	5P5	10P5
100	1				•
125	1	•	•		
125	1.5			•	•
150	1	•	•		
150	1.5			•	•
200	1	•	•		
200	1.5			•	•
250	1	•	•		
250	1.5			•	•
300	1	•	•		
300	1.5			•	•

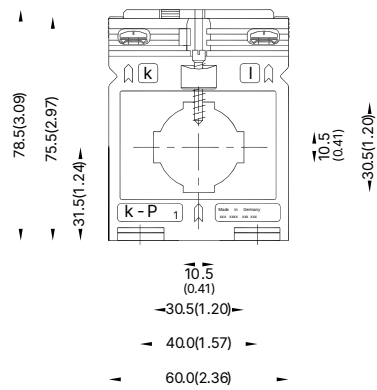
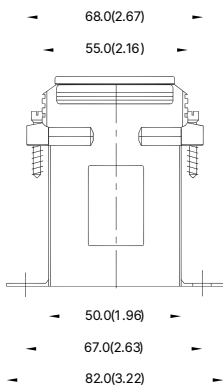
2.2 SASK 21.3 protection current transformers



Specifications	
Primary conductor	20 x 10 mm
Round conductor	Ø19 mm
Weight	0.190 - 0.380 kg (0.42 - 0.84 lbs)
DIN rail mounting	Item number 2961900710.02
Sealed shutter	Item number 2961900710.06

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Protection class		Protection class	
		5P5	10P5	5P5	10P5
125	1	•	•		
125	1.5			•	•
150	1	•	•		
150	1.5			•	•
200	1	•	•		
200	1.5			•	•

2.3 SASK 31.5 protection current transformers

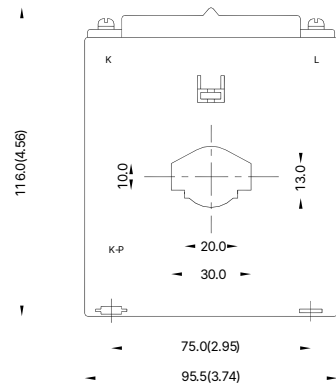
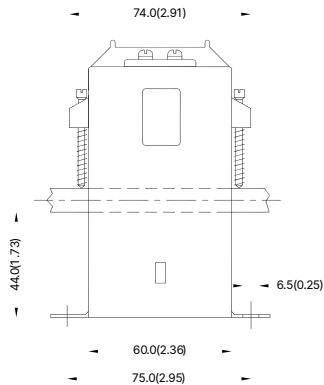
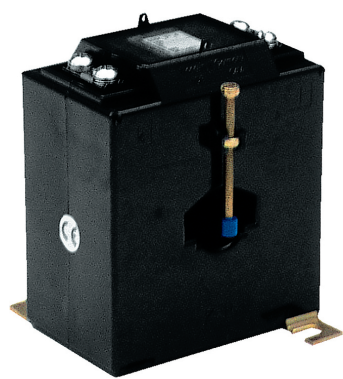


Specifications	
Primary conductor	30 x 10 mm 2 x 20 x 10 mm
Round conductor	Ø28 mm
Weight	0.240 - 0.520 kg (0.53 - 1.15 lbs)
DIN rail mounting	Item number 2961900710.05
Sealed shutter	Item number 2961900710.07

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Protection class		Protection class	
		5P5	10P5	5P5	10P5
75	1			•	•
80	1			•	•
100	1	•	•		
100	1.5			•	•
125	1	•	•		
125	1.5		•	•	•
150	1	•	•		
150	1.5	•	•	•	•
200	1	•	•		
200	1.5	•	•	•	•
200	2.5			•	•
250	1.5	•	•	•	•
250	2.5	•	•	•	•
300	1.5	•	•	•	•
300	2.5	•	•	•	•
400	1.5	•	•	•	•
400	2.5	•	•	•	•
500	1.5	•	•	•	•
500	2.5	•	•	•	•

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Protection class		Protection class	
		5P5	10P5	5P5	10P5
600	1.5	•	•	•	•
600	2.5			•	•
750	1.5	•	•	•	•
750	2.5			•	•
750	5				•

2.4 SASK 31.6 protection current transformers

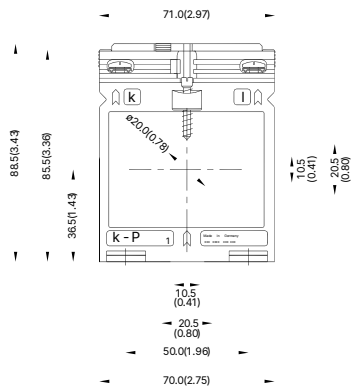
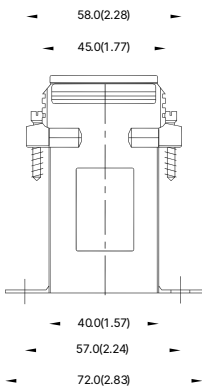


Specifications	
Primary conductor	30 x 10 mm 20 x 13 mm
Round conductor	Ø23 mm
Weight	0.310 - 1.900 kg (0.68 - 4.19 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.10

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
50	1.5	•	•			•	•		
50	2.5	•	•			•	•		
60	1.5	•	•		•	•	•	•	•
60	2.5	•	•			•	•		
80	1.5	•	•	•	•	•	•	•	•
80	2.5	•	•			•	•		
80	5						•		
100	1.5	•	•	•	•				
100	2.5	•	•		•	•	•	•	•
100	5	•	•			•	•		
150	2.5	•	•	•	•	•	•	•	•
150	5	•	•			•	•		
150	7.5	•	•			•	•		
200	2.5	•	•	•	•	•	•	•	•
200	5	•	•		•	•	•	•	•
200	7.5	•	•			•	•		
200	10	•	•			•	•		
250	2.5	•	•	•	•	•	•	•	•
250	5	•	•	•	•	•	•	•	•

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
250	7.5	•	•			•	•		
250	10	•	•			•	•		
300	2.5	•	•	•	•	•	•	•	•
300	5	•	•	•	•	•	•	•	•
300	10	•	•			•	•		
400	2.5	•	•	•	•	•	•	•	•
400	5	•	•	•	•	•	•	•	•
400	7.5	•	•			•	•	•	•
400	10	•	•			•	•		
400	15	•	•			•	•		
500	2.5	•	•	•	•	•	•	•	•
500	5	•	•	•	•	•	•	•	•
500	7.5	•	•	•	•	•	•	•	•
500	10	•	•			•	•		•
500	15	•	•			•	•		
600	2.5	•	•	•	•	•	•	•	•
600	5	•	•	•	•	•	•	•	•
600	7.5	•	•	•	•	•	•	•	•
600	10	•	•	•	•	•	•		•
600	15	•	•			•	•		

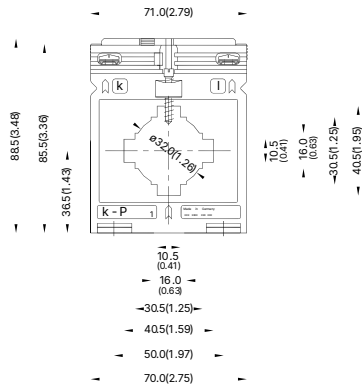
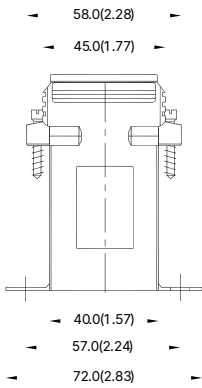
2.5 SASK 421.4 protection current transformers



Specifications		
Primary conductor		20 x 10 mm
Round conductor		Ø20 mm
Weight		0.290 - 1.000 kg (0.64 - 2.20 lbs)
DIN rail mounting		Not available
Sealed shutter		Item number 2961900710.07

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Protection class		Protection class	
		5P5	10P5	5P5	10P5
200	1.5	•	•	•	•
200	2.5	•	•	•	•
250	1.5	•	•	•	•
250	2.5	•	•	•	•
300	1.5	•	•	•	•
300	2.5	•	•	•	•
400	1.5	•	•	•	•
400	2.5	•	•	•	•

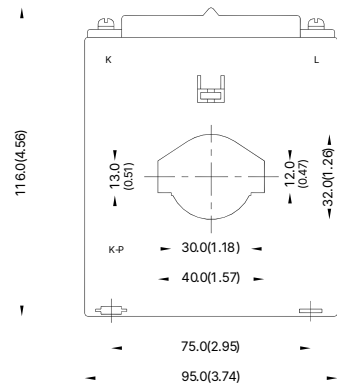
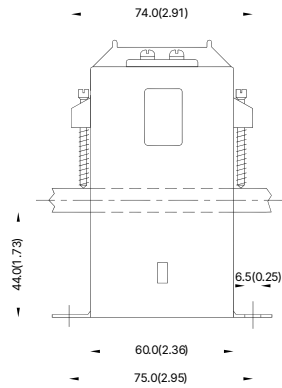
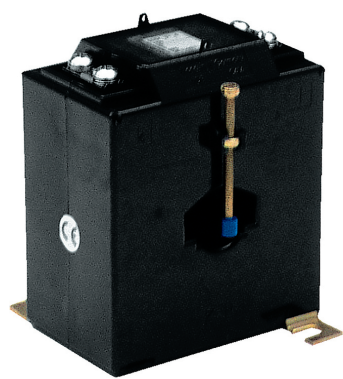
2.6 SASK 41.4 protection current transformers



Specifications	
Primary conductor	40 x 10 mm 2 x 30 x 5 mm
Round conductor	Ø32 mm
Weight	0.240 - 0.800 kg (0.53 - 1.76 lbs)
DIN rail mounting	Item number 2961900710.06
Sealed shutter	Item number 2961900710.07

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Protection class		Protection class	
		5P5	10P5	5P5	10P5
120	1	•	•	•	•
125	1	•	•	•	•
150	1	•	•		
150	1.5		•	•	•
200	1.5	•	•	•	•
250	1.5	•	•	•	•
250	2.5		•	•	•
300	1.5	•	•	•	•
300	2.5	•	•	•	•
400	1.5	•	•	•	•
400	2.5	•	•	•	•
500	1.5	•	•	•	•
500	2.5			•	•
600	1.5	•	•	•	•
600	2.5			•	•
750	1.5	•	•	•	•
750	2.5		•	•	•

2.7 SASK 41.6 protection current transformers

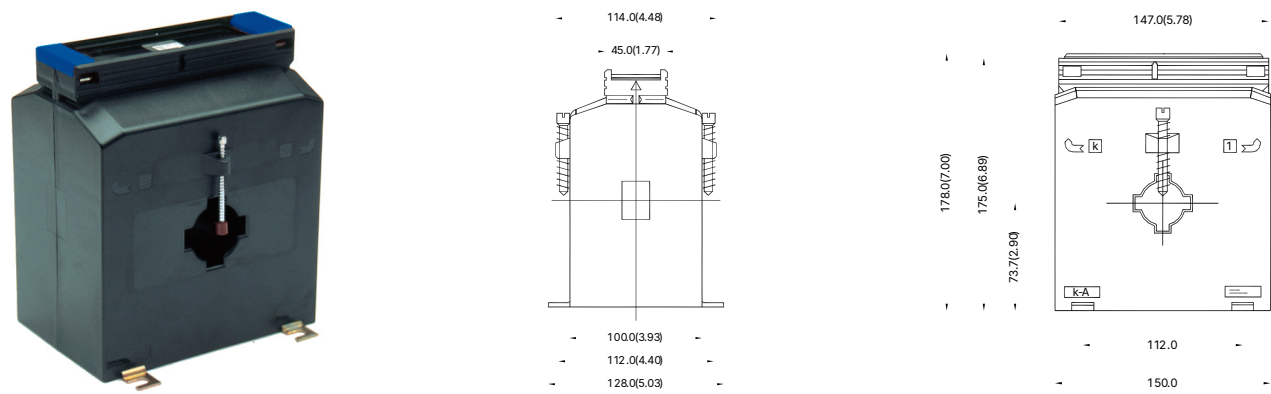


Specifications	
Primary conductor	40 x 12 mm 30 x 15 mm
Round conductor	Ø32 mm
Weight	0.320 - 2.000 kg (0.71 - 4.41 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.10

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
100	1.5	•	•	•	•	•	•	•	•
100	2.5	•	•			•	•		
150	2.5	•	•	•	•	•	•	•	•
150	5	•	•			•	•		
150	7.5						•		
200	2.5	•	•	•	•	•	•	•	•
200	5	•	•			•	•		
200	7.5	•	•			•	•		
200	10		•				•		
250	2.5	•	•	•	•	•	•	•	•
250	5	•	•		•	•	•	•	•
250	7.5	•	•			•	•		
250	10	•	•			•	•		
300	2.5	•	•	•	•	•	•	•	•
300	5	•	•	•	•	•	•	•	•
300	7.5	•	•			•	•		
300	10	•	•			•	•		
400	2.5	•	•	•	•	•	•	•	•
400	5	•	•	•	•	•	•	•	•

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
400	7.5	•	•			•	•		
400	10	•	•			•	•		
500	2.5	•	•	•	•	•	•	•	•
500	5	•	•	•	•	•	•	•	•
500	7.5	•	•			•	•		
500	10	•	•			•	•		
600	2.5	•	•	•	•	•	•	•	•
600	5	•	•	•	•	•	•	•	•
600	7.5	•	•	•	•	•	•	•	•
600	10	•	•			•	•		

2.8 SASK 41.10 protection current transformers

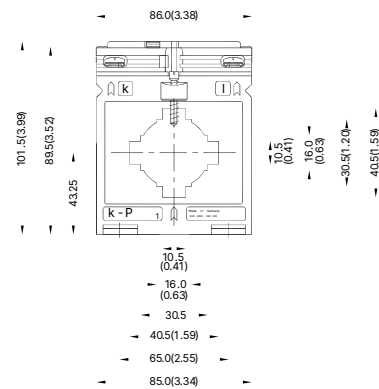
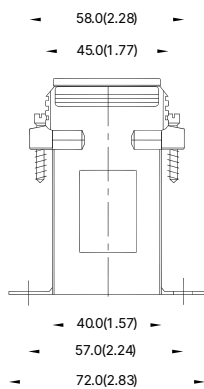


Specifications	
Primary conductor	40 x 10 mm
Round conductor	Ø32 mm
Weight	0.900 - 4.240 kg (1.98 - 9.35 lbs)
DIN rail mounting	Not available
Sealed shutter	Not available

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
100	5	•	•		•	•	•		•
100	7.5	•	•			•	•		
100	10	•	•			•	•		
100	15		•				•		
150	5	•	•			•	•		•
150	7.5	•	•			•	•		
150	10	•	•			•	•		
150	15	•	•			•	•		
200	5	•	•	•	•	•	•	•	•
200	7.5	•	•	•	•	•	•	•	•
200	10	•	•		•	•	•		•
200	15	•	•			•	•		
250	5	•	•	•	•	•	•	•	•
250	7.5	•	•	•	•	•	•	•	•
250	10	•	•	•	•	•	•	•	•
250	15	•	•		•	•	•		•
300	5	•	•	•	•	•	•	•	•
300	7.5	•	•	•	•	•	•	•	•
300	10	•	•	•	•	•	•	•	•
300	15	•	•		•	•	•		•

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
400	5	•	•	•	•	•	•	•	•
400	7.5	•	•	•	•	•	•	•	•
400	10	•	•	•	•	•	•	•	•
400	15	•	•	•	•	•	•	•	•
500	5	•	•	•	•	•	•	•	•
500	7.5	•	•	•	•	•	•	•	•
500	10	•	•	•	•	•	•	•	•
500	15	•	•	•	•	•	•	•	•
600	5	•	•	•	•	•	•	•	•
600	7.5	•	•	•	•	•	•	•	•
600	10	•	•	•	•	•	•	•	•
600	15	•	•	•	•	•	•	•	•
750	5	•	•	•	•	•	•	•	•
750	7.5	•	•	•	•	•	•	•	•
750	10	•	•	•	•	•	•	•	•
750	15	•	•	•	•	•	•	•	•
800	5	•	•	•	•	•	•	•	•
800	7.5	•	•	•	•	•	•	•	•
800	10	•	•	•	•	•	•	•	•
800	15	•	•	•	•	•	•	•	•

2.9 SASK 541.4 protection current transformers

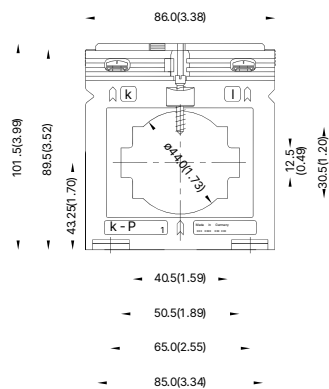
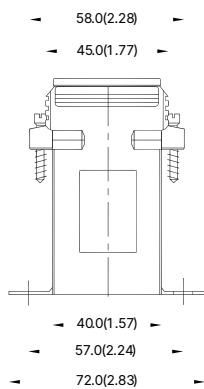


Specifications	
Primary conductor	40 x 10 mm 2 x 30 x 15 mm
Round conductor	Ø32 mm
Weight	0.270 - 1.000 kg (0.60 - 2.20 lbs)
DIN rail mounting	Not available
Sealed shutter	2961900710.08

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
100	1	•	•		•	•	•		
100	1.5	•	•			•	•		
125	1	•	•			•	•		
125	1.5	•	•			•	•		
125	2.5		•			•	•		
150	1.5	•	•			•	•		
150	2.5	•	•			•	•		
200	1.5	•	•			•	•		
200	2.5	•	•			•	•		
250	1.5	•	•		•	•	•	•	•
250	2.5	•	•			•	•		
300	1.5	•	•	•	•	•	•	•	•
300	2.5	•	•			•	•		
300	5		•				•		
400	1.5	•	•	•	•	•	•	•	•
400	2.5	•	•			•	•		
400	5	•	•			•	•		
500	1.5	•	•	•	•	•	•	•	•
500	2.5	•	•	•	•	•	•	•	•

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
500	5	•	•			•	•		
500	7.5		•						
600	1.5	•	•	•	•	•	•	•	•
600	2.5	•	•	•	•	•	•	•	•
600	5	•	•			•	•		
600	7.5		•						
750	1.5					•	•	•	•
750	2.5	•	•	•	•	•	•	•	•
750	5	•	•			•	•		
750	7.5	•	•			•	•		
1000	2.5	•	•	•	•	•	•	•	•
1000	5	•	•			•	•		•
1000	7.5	•	•			•	•		
1000	10	•	•			•	•		

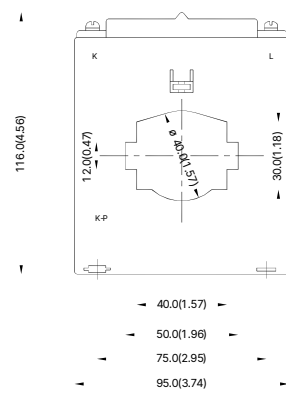
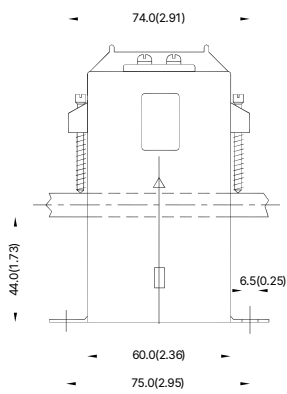
2.10 SASK 51.4 protection current transformers



Specifications	
Primary conductor	50 x 12 mm 2 x 40 x 10 mm
Round conductor	Ø44 mm
Weight	0.260 - 0.720 kg (0.57 - 1.59 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Protection class		Protection class	
		5P5	10P5	5P5	10P5
150	1			•	•
200	1	•	•	•	•
200	1.5		•	•	•
250	1.5	•	•	•	•
250	2.5				•
300	1.5	•	•	•	•
300	2.5			•	•
400	1.5	•	•	•	•
400	2.5		•	•	•
500	1.5	•	•	•	•
500	2.5		•	•	•
600	1.5	•	•	•	•
600	2.5		•	•	•
750	1.5	•	•	•	•
750	2.5	•	•	•	•
1000	1.5	•	•	•	•
1000	2.5	•	•	•	•

2.11 SASK 51.6 protection current transformers

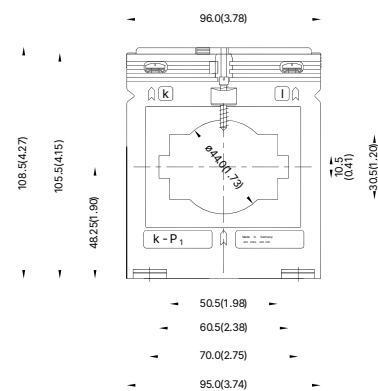
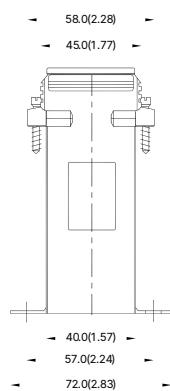


Specifications	
Primary conductor	50 x 12 mm 40 x 30 mm
Round conductor	Ø40 mm
Weight	0.360 - 1.280 kg (0.79 - 2.82 lbs)
DIN rail mounting	Not available
Sealed shutter	2961900710.10

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
150	1.5	•	•		•	•	•		•
150	2.5	•	•			•	•		
200	1.5	•	•	•	•	•	•	•	•
200	2.5	•	•			•	•	•	•
200	5	•	•			•	•		
250	2.5	•	•	•	•	•	•	•	•
250	5	•	•			•	•		
300	2.5	•	•	•	•	•	•	•	•
300	5	•	•			•	•		
300	7.5		•				•		
400	2.5	•	•	•	•	•	•	•	•
400	5	•	•			•	•		
400	7.5	•	•			•	•		
500	2.5	•	•	•	•	•	•	•	•
500	5	•	•			•	•		•
500	7.5	•	•			•	•		
500	10	•	•			•	•		
600	2.5	•	•	•	•	•	•	•	•
600	5	•	•			•	•	•	•

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Protection class				Protection class			
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10
600	7.5	•	•			•			
600	10	•	•			•	•		
750	2.5	•	•	•	•	•	•	•	•
750	5	•	•	•	•	•	•	•	•
750	7.5	•	•			•	•		
750	10	•	•			•	•		
1000	2.5	•	•	•	•	•	•	•	•
1000	5	•	•	•	•	•	•		•
1000	7.5	•	•			•	•		
1000	10	•	•			•	•		

2.12 SASK 61.4 protection current transformers

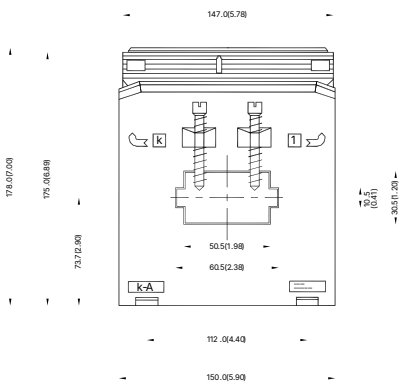
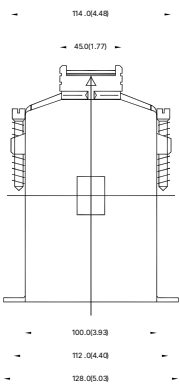
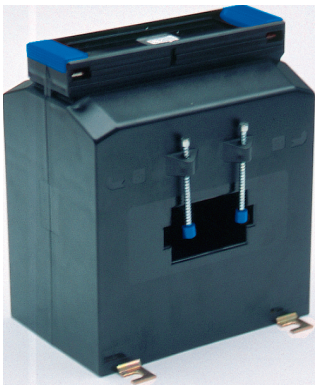


Specifications	
Primary conductor	63 x 10 mm 2 x 50 x 10 mm
Round conductor	Ø44 mm
Weight	0.300 - 0.630 kg (0.66 - 1.39 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5	10P5	5P5	10P5
200	1	•	•	•	•
200	1.5	•	•	•	•
250	1	•	•	•	•
250	1.5	•	•	•	•
300	1.5	•	•	•	•
300	2.5		•	•	•
400	1.5	•	•	•	•
400	2.5	•	•	•	•
500	1.5	•	•	•	•
500	2.5	•	•	•	•
600	1.5	•	•	•	•
600	2.5	•	•	•	•
600	5			•	•
750	1.5	•	•	•	•
750	2.5	•	•	•	•
750	5	•	•	•	•
1000	1.5	•	•	•	•
1000	2.5	•	•	•	•
1000	5	•	•	•	•

Secondary current		5A		1A	
Primary current A	Burden VA	Protection class		Protection class	
		5P5	10P5	5P5	10P5
1200	1.5	•	•	•	•
1200	2.5	•	•	•	•
1200	5	•	•	•	•
1250	1.5	•	•	•	•
1250	2.5	•	•	•	•
1250	5	•	•	•	•

2.13 SASK 61.10 protection current transformers

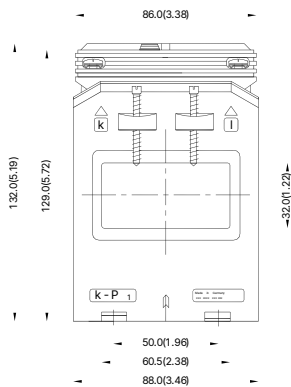
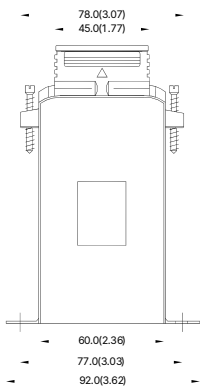


Specifications	
Primary conductor	60 x 10 mm 50 x 30 mm
Round conductor	Ø30 mm
Weight	0.300 - 3.360 kg (0.66 - 7.41 lbs)
DIN rail mounting	Not available
Sealed shutter	Not available

Secondary current →		5A				1A				
Primary current A ↓	Burden VA ↓	Protection class				Protection class				
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10	5P20
250	5	•	•	•	•	•	•	•	•	
250	7.5	•	•		•	•	•		•	
250	10	•	•			•	•			
300	5	•	•	•	•	•	•	•	•	
300	7.5	•	•	•	•	•	•	•	•	
300	10	•	•			•	•		•	
300	15	•	•			•	•			
400	5	•	•	•	•	•	•	•	•	
400	7.5	•	•	•	•	•	•	•	•	
400	10	•	•	•		•	•	•	•	
400	15	•	•			•	•			
500	5	•	•	•	•	•	•	•	•	
500	7.5	•	•	•	•	•	•	•	•	
500	10	•	•	•	•	•	•	•	•	
500	15	•	•	•	•	•	•	•	•	
600	5	•	•	•	•	•	•	•	•	
600	7.5	•	•	•	•	•	•	•	•	
600	10	•	•	•	•	•	•	•	•	

Secondary current →		5A				1A				
Primary current A ↓	Burden VA ↓	Protection class				Protection class				
		5P5	10P5	5P10	10P10	5P5	10P5	5P10	10P10	5P20
600	15	•	•	•	•	•	•	•	•	
750	5	•	•	•	•	•	•	•	•	
750	7.5	•	•	•	•	•	•	•	•	
750	10	•	•	•	•	•	•	•	•	
750	15	•	•	•	•	•	•	•	•	
1000	5	•	•	•	•	•	•	•	•	
1000	7.5	•	•	•	•	•	•	•	•	
1000	10	•	•	•	•	•	•	•	•	
1000	15	•	•	•	•	•	•	•	•	
1200	5	•	•	•	•	•	•	•	•	
1200	7.5	•	•	•	•	•	•	•	•	
1200	10	•	•	•	•	•	•	•	•	
1200	15	•	•	•	•	•	•	•	•	
1250	5	•	•	•	•	•	•	•	•	
1250	7.5	•	•	•	•	•	•	•	•	
1250	10	•	•	•	•	•	•	•	•	
1250	15	•	•	•	•	•	•	•	•	
1500	5	•	•	•	•	•	•	•	•	•
1500	7.5	•	•	•	•	•	•	•	•	
1500	10	•	•	•	•	•	•	•	•	
1500	15	•	•	•	•	•	•	•	•	
1600	5									•
1600	10									•
2000	5									•
2000	15									•

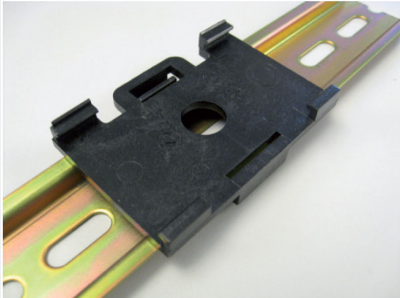
2.14 SASK 63.6 protection current transformers



Specifications		
Primary conductor		60 x 30 mm
Round conductor		Ø30 mm
Weight		0.200 - 1.300 kg (0.44 - 2.87 lbs)
DIN rail mounting		Not available
Sealed shutter		2961900710.08

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Protection class		Protection class	
		5P5	10P5	5P5	10P5
200	1.5	•	•	•	•
200	2.5		•	•	•
250	1.5	•	•	•	•
250	2.5	•	•	•	•
300	1.5	•	•	•	•
300	2.5	•	•	•	•
400	2.5	•	•	•	•
400	5		•	•	•
500	2.5	•	•	•	•
500	5	•	•	•	•
600	2.5	•	•	•	•
600	5	•	•	•	•
750	2.5	•	•	•	•
750	5	•	•	•	•
1000	2.5	•	•	•	•
1000	5	•	•	•	•

3. Accessories and options

Accessory	Description
Mounting	A foot angle for screw or busbar mounting is supplied with the ASR, ASK, and SASK, including screws with isolating protection caps. A DIN-rail mounting accessory is available only for the CT types where stated. A snap-on mounting bracket for the WSK can be ordered separately. 
Sealed shutter	A transparent sealed shutter is available for some CT types. It protects the transformer while keeping the type label visible. Availability and part numbers are listed under each CT model. 
Test certificate	A test certificate can be ordered for a specific transformer. Select this option when placing the order.
Excitation curve	An excitation curve can be ordered for individual CT types. Select this option when placing the order.
Optional frequency	Standard frequency range is 50–60 Hz. Contact DEIF for special versions with other frequency ranges.
Cast resin	Cast resin is standard for CTs with nominal current > 4000 A. For CTs < 4000 A, cast resin is available on request. Weight values differ from the standard minimum and maximum specifications when cast resin is selected.