

ASR & ASK

Measuring current transformers

Data sheet



Improve
Tomorrow



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1. About measuring current transformers

1.1 About measuring current transformers

Measuring current transformers convert high current into lower nominal current value, thus making it possible to use instruments and relays with standardised values of rated current.

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

- ASR: designed for round cables.
- ASK: designed for cables and busbar.

1.2 Technical specifications, general

Category	Specification
Frequency	50/60 Hz (16 2/3 to 400 Hz on request)
Nominal voltage	≤ 720 V AC ≤ 1200 V AC (ASK 165.5 and 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)
Continuous thermal nominal current	$I_{cth} = 1.0 \times I_n$ $I_{cth} = 1.2 \times I_n$ (ASK 165.5 and 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

1.3 Accuracy classes of measuring current transformers

Accuracy Class	Current error ($\pm$ %) by % I _N					Phase displacement error ($\pm$ minutes) by % I _N			
	5 %	20 %	50 %	100 %	120 %	5 %	20 %	100 %	120 %
0.2S	0.35	0.2	-	0.2	0.2	30	15	10	10
0.2	0.75	0.35	-	0.2	0.2	30	15	10	10
0.5	1.5	0.75	-	0.5	0.5	90	45	30	30
1	3.0	1.5	-	1.0	1.0	180	90	60	60
3	-	-	3	-	3	Limit for phase displacement error is not specified for class 3.			

1.4 Overview of measuring current transformers

Primary nominal current [A] ↓	ASR 14.3		ASR 20.3		ASR 201.3	ASR 21.3	ASR 21.5		ASR 22.3		
Accuracy class →	1	3	0.5	1	1	1	0.5	1	0.2S	0.5	1
30		●									
40	●										
50	●			●				●			●
60	●			●							●
75	●			●				●			●
80				●				●			●
100	●			●				●		●	●
125			●	●	●			●			
150				●	●	●	●	●			●
200				●	●	●	●	●	●		●
250				●		●					●
300				●		●		●			●
400							●				
500						●					
Primary conductor (mm)											
Round conductor (mm)	14		21		21	22.8	21.2		22.5		
Transf. width (mm)	45		45		44	49.5	50		61		

Primary nominal current [A] ↓	ASK 21.3		ASK 31.3			ASK 31.4			ASK 31.5	
Accuracy class →	0.5	1	0.2S	0.5	1	0.2S	0.5	1	0.5	1
40										●
50					●					
60		●			●					
75		●			●			●		
80					●					●
100		●		●	●			●		●
150	●	●		●	●		●	●	●	●
200		●			●	●		●	●	●

Primary nominal current [A] ↓	ASK 21.3		ASK 31.3			ASK 31.4			ASK 31.5	
Accuracy class →	0.5	1	0.2S	0.5	1	0.2S	0.5	1	0.5	1
250		●	●	●	●	●		●		
300		●		●	●		●	●		
400	●	●		●	●			●		●
500	●	●		●	●	●		●		●
600				●	●		●	●		●
750					●			●		●
Primary conductor (mm)	20 x 10		30 x 10 2 x 20 x 10			30 x 10 2 x 20 x 10			30 x 10 2 x 20 x 10	
Round conductor (mm)	19.2		26			28			28	
Transf. width (mm)	61		61			61			61	

Primary nominal current [A] ↓	ASK 31.6			ASK 41.3	ASK 41.4			ASK 41.5	
Accuracy class →	0.5	1	3	1	0.2S	0.5	1	0.5	1
40			●						
50							●		
60	●								
75		●							
80							●		
100							●		
150				●	●		●		
200		●		●	●	●	●		
250		●		●	●		●		
300				●	●	●	●		
400		●		●	●	●	●		
500				●	●		●		
600		●		●	●		●		
750				●			●		
800						●	●	●	●
1000						●	●		●
Primary conductor (mm)	30 x 10 20 x 13			40 x 12 32 x 18	40 x 10 2 x 30 x 5			2 x 30 x 5 40 x 10	

Primary nominal current [A] ↓	ASK 31.6			ASK 41.3	ASK 41.4			ASK 41.5	
Accuracy class →	0.5	1	3	1	0.2S	0.5	1	0.5	1
Round conductor (mm)	23			26	32			32	
Transf. width (mm)	95			61	71			71	

Primary nominal current [A] ↓	ASK 41.6	ASK 51.4		ASK 51.6		ASK 61.4			ASK 63.4	
Accuracy class →	1	0.5	1	0.5	1	0.2S	0.5	1	0.5	1
100					●					
150				●	●					
200			●	●	●					
250			●	●	●		●			
300			●	●	●			●		●
400	●	●	●	●	●	●		●		●
500			●	●	●	●		●		
600			●	●	●	●		●		●
750			●	●	●	●		●		●
800		●	●	●	●		●	●		●
1000		●	●	●	●	●		●	●	●
1200			●	●	●	●	●	●		●
1250		●	●	●	●	●	●	●	●	●
1500						●	●	●	●	●
1600							●	●		
Primary conductor (mm)	50 x 10 30 x 15	40 x 12 2 x 40 x 10		50 x 12 40 x 30		63 x 10 2 x 50 x 10			60 x 30 50 x 40	
Round conductor (mm)	32	44		40		44			44	
Transf. width (mm)	95	86		95		96			96	

Primary nominal current [A] ↓	ASK 63.6	ASK 81.4			ASK 83.4	ASK 101.4		ASK 101.4 2U
Accuracy class →	1	0.2S	0.5	1	1	0.5	1	1
300	●							
500				●				
600				●			●	
800				●				
1000			●	●	●	●	●	
1200	●			●	●			1200 - 600 A
1250	●	●	●	●			●	
1500		●	●	●	●	●	●	1500 - 750 A
1600	●	●		●			●	1600 - 800 A
1800							●	
2000			●	●	●	●	●	2000 - 1000 A
Primary conductor (mm)	60 x 30	80 x 10 2 x 60 x 10			84 x 34	100 x 10 2 x 80 x 10		100 x 10 2 x 80 x 10
Round conductor (mm)	30	55			34	70		70
Transf. width (mm)	88	120			96	130		130

Primary nominal current [A]	ASK 103.3		ASK 103.41		ASK 105.6			ASK 105.6N	ASK 123.3		
Accuracy class →	0.5	1	0.5	1	0.2S	0.5	1	1	0.2S	0.5	1
400			●	●							
500			●	●							
600			●	●							
750			●	●						●	
800		●	●	●							
1000		●	●	●	●					●	●
1200		●	●	●	●				●	●	●
1250			●	●					●	●	●
1500		●	●	●	●		●		●	●	●
1600	●								●	●	●
1800										●	●

Primary nominal current [A]	ASK 103.3		ASK 103.41		ASK 105.6			ASK 105.6N	ASK 123.3		
Accuracy class →	0.5	1	0.5	1	0.2S	0.5	1	1	0.2S	0.5	1
2000		●	●	●	●	●	●		●	●	●
2500	●	●			●	●	●	●	●	●	●
3000		●			●	●	●		●	●	●
Primary conductor (mm)	2 x 100 x 10 3 x 80 x 10		103 x 41		100 x 55			100 x 55	123 x 30 3 x 100 x 10		
Round conductor (mm)	85		40		55			55	100		
Transf. width (mm)	172		99		129			129	172		

Primary nominal current [A] ↓	ASK 127.4		ASK 127.6		ASK 128.4		ASK 129.10		ASK 130.3		
Accuracy class →	0.5	1	0.5	1	0.5	1	0.5	1	0.2S	0.5	1
300										●	●
400										●	●
500										●	●
600										●	●
750									●	●	●
1000	●	●							●	●	●
1200	●	●							●	●	●
1250	●	●	●						●	●	●
1500	●	●							●	●	●
1600	●	●							●	●	●
1800	●	●									
2000	●	●				●					
2500	●	●			●	●					
4000			●	●							
5000			●	●							
6000							●	●			
7500								●			
Primary conductor (mm)	120 x 70		120 x 70		128 x 38		120 x 90		130 x 25		

Primary nominal current [A] ↓	ASK 127.4		ASK 127.6		ASK 128.4		ASK 129.10		ASK 130.3		
Accuracy class →	0.5	1	0.5	1	0.5	1	0.5	1	0.2S	0.5	1
Round conductor (mm)	70		70		38		90		25		
Transf. width (mm)	159		205		100		250		180		

Primary nominal current ↓	ASK 130.5		ASK 165.5				ASK 205.3	ASK 231.5	ASK 318.3	
Accuracy class →	0.5	1	0.2S	0.2	0.5	1	1	1	0.5	1
200							●			
250							●	●		
300								●	●	●
400							●	●		
500								●		●
600										●
1000			●		●	●				
1200			●		●	●				
1250			●		●	●				
1500			●		●	●				
1600			●		●	●				
2000		●	●	●	●	●				
2500	●		●		●	●				
3000			●		●	●				
3200		●								
4000			●	●	●	●				
Primary conductor (mm)	130 x 30		106 x 30 3 x 160 x 10				20 x 5	30 x 10	31 x 18	
Round conductor (mm)	30						17.5	28	26	
Transf. width (mm)	180		266				49.5	50	61	

Primary nominal current [A] ↓	ASK 412.4		ASK 421.4	ASK 541.4		ASK 561.4	
Accuracy class →	0.5	1	1	0.5	1	0.5	1
50		●					
80				●			
100				●	●		
125			●	●	●		
150					●		
200				●	●		
300		●					●
400						●	●
500					●	●	
600	●	●					
750							●
800		●				●	●
1000					●	●	●
1200							●
1250						●	●
Primary conductor (mm)	40 x 12 30 x 15		20 x 10	40 x 10 2 x 30 x 5		60 x 10 2 x 50 x 10	
Round conductor (mm)	30.5		20	32		44	
Transf. width (mm)	71		71	86		86	

1.5 Disclaimer

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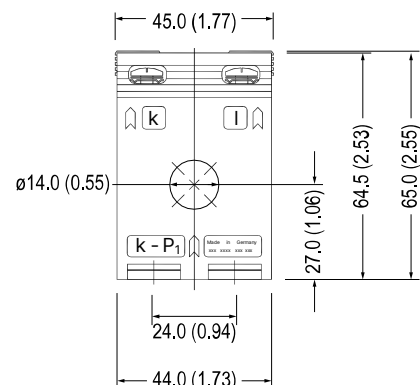
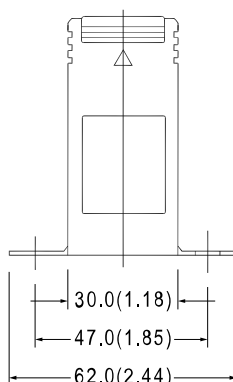
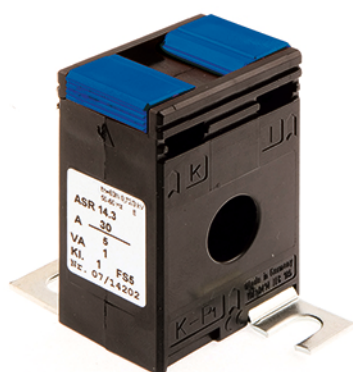
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2. ASR Measuring current transformers

2.1 ASR 14.3 measuring current transformers

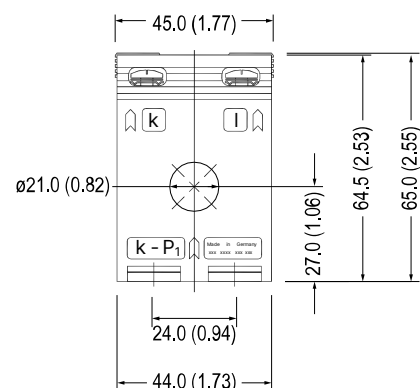
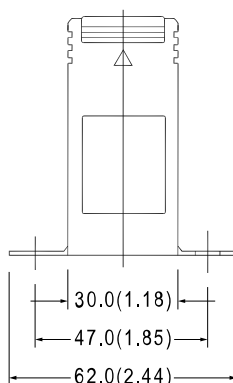
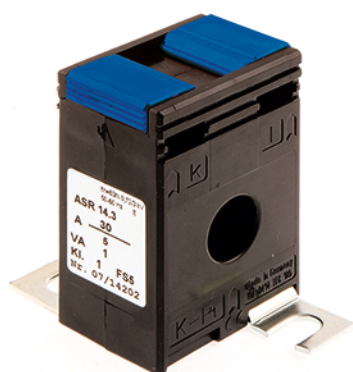


Specifications

Round conductor	Ø14 mm
Weight	0.180 - 0.240 kg (0.40 - 0.53 lbs)
DIN rail mounting	Item number 2961900710.06
Sealed shutter	Not available

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		1	3	1
30	1.0		●	
40	1.0	●		●
50	1.0	●		
50	1.5	●		
60	1.5	●		●
75	1.5	●		
100	2.5	●		

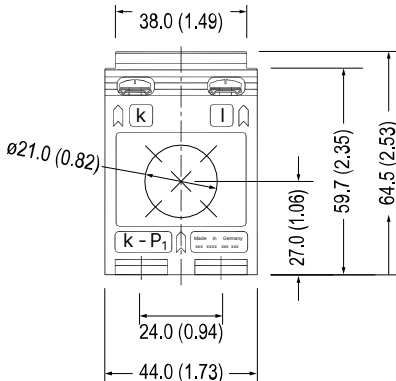
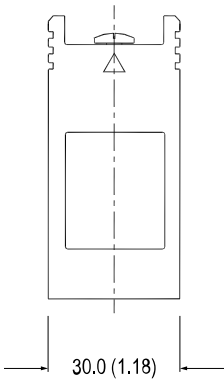
2.2 ASR 20.3 measuring current transformers



Specifications	
Round conductor	Ø21 mm
Weight	0.120 - 0.190 kg (0.26 - 0.42 lbs)
DIN rail mounting	Item number 2961900710.01
Sealed shutter	Not available

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	1
50	1.0		●	●
60	1.0		●	●
60	1.25		●	●
75	1.25		●	
75	1.5		●	
80	1.25			●
80	1.5		●	●
100	1.5		●	●
100	2.5		●	●
125	1.5	●	●	●
125	2.5		●	
150	1.5		●	●
150	2.5		●	●
150	3.75		●	
200	1.5		●	●
200	2.5		●	●
200	3.75		●	
250	2.5		●	●
300	2.5		●	
300	5		●	

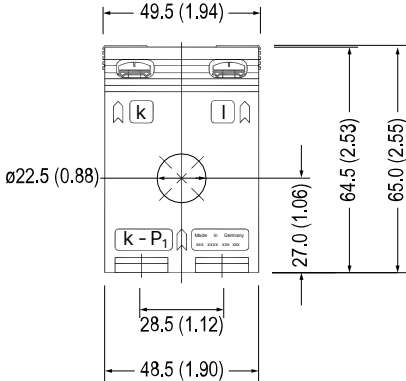
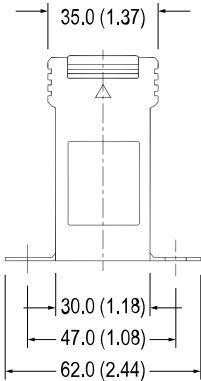
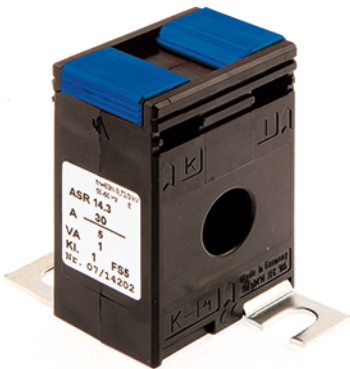
2.3
ASR 201.3 measuring current transformers



Specifications	
Round conductor	Ø21 mm
Weight	0.120 - 0.190 kg (0.26 - 0.42 lbs)
DIN rail mounting	Item number 2961900710.01
Sealed shutter	Not available

Secondary current →		5A	1A
Primary current A ↓	Burden VA ↓	Accuracy class	Accuracy class
		1	1
125	1.5		●
150	1.5		●
200	2.5	●	

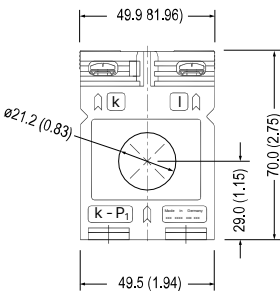
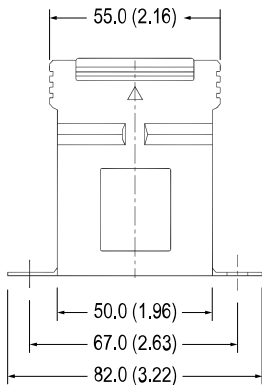
2.4
ASR 21.3 measuring current transformers



Specifications	
Round conductor	Ø22.8 mm
Weight	0.150 - 0.300 kg (0.33 - 0.66 lbs)
DIN rail mounting	Item number 2961900710.02
Sealed shutter	Not available

Secondary current →		5A	1A
Primary current A ↓	Burden VA ↓	Accuracy class	Accuracy class
		1	1
150	1.5	●	
200	2.5	●	
250	1.5	●	
300	1.5	●	
300	2.5		●
300	3.75		●
500	2.5	●	

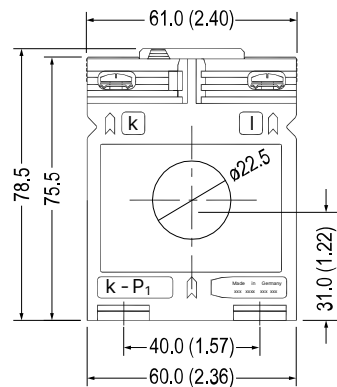
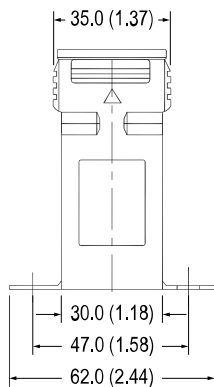
2.5 ASR 21.5 measuring current transformers



Specifications		
Round conductor		Ø21.2 mm
Weight		0.210 - 0.410 kg (0.46 - 0.90 lbs)
DIN rail mounting		Not available
Sealed shutter		Not available

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
50	1.5		●		
75	2.5		●		
75	3.75				●
80	2.5		●		●
100	2.5		●		
100	5		●		●
125	5		●		●
150	2.5	●	●		
150	5				●
200	2.5		●		
200	5		●	●	
300	5		●		
400	5			●	

2.6 ASR 22.3 measuring current transformers

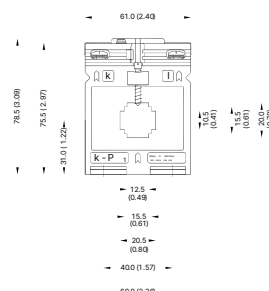
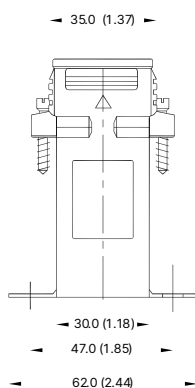


Specifications	
Round conductor	Ø22.5 mm
Weight	0.170 - 0.500 kg (0.37 - 1.10 lbs)
DIN rail mounting	Item number 2961900710.03
Sealed shutter	Type 59040

Secondary current →		5A			1A
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class
		0.2S	0.5	1	1
50	1			●	●
60	1.5			●	
75	2.5			●	●
80	2.5			●	
100	1.5			●	
100	2.5		●	●	
100	3.75			●	●
150	1.5			●	
150	5			●	●
200	5	●		●	●
200	10			●	
250	2.5			●	
250	5			●	
250	10			●	
300	10			●	

3. ASK measuring current transformers

3.1 ASK 21.3 measuring current transformer

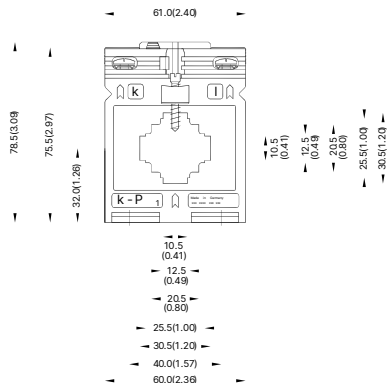
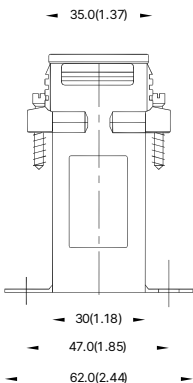


Specifications

Primary conductor	20 x 10 mm
Round conductor	Ø19.2 mm
Weight	0.190 - 0.380 kg (0.42 - 0.84 lbs)
DIN rail mounting	Item number 2961900710.03
Sealed shutter	Type 59040

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	1
60	1			●
75	1.5		●	
100	1.5			●
100	2.5		●	
100	3.75		●	
150	1.5	●	●	
150	2.5		●	
150	5	●		●
200	2.5		●	
200	5		●	
250	5		●	●
250	10			●
300	5		●	
300	10		●	
400	5	●	●	
400	10	●		
500	10	●	●	

3.2 ASK 31.3 measuring current transformers

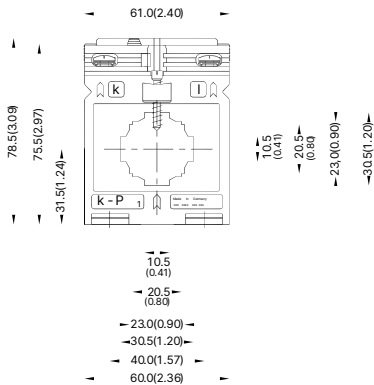
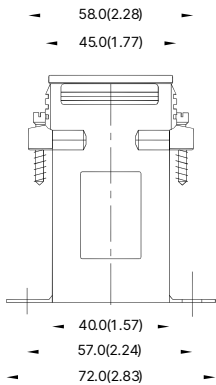


Specifications	
Primary conductor	30 x 10 mm 2 x 20 x 10 mm
Round conductor	Ø26 mm
Weight	0.200 - 1.100 kg (0.44 - 2.43 lbs)
DIN rail mounting	Item number 2961900710.03
Sealed shutter	Type 59040

Secondary current →		5A			1A	
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class	
		0.2S	0.5	1	0.5	1
50	1			●		
60	1			●		
75	1.5			●		
80	2.5			●		
100	1.5			●		●
100	2.5		●	●		●
150	1.5			●		
150	2.5		●	●		●
200	1.5			●		
200	2.5			●		
200	5			●		●
250	1.5		●	●		
250	2.5	●		●		
250	5			●		●
300	1.5			●	●	
300	2.5	●				
300	5			●		●
300	10					●
400	1.5			●		

Secondary current →		5A			1A	
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class	
		0.2S	0.5	1	0.5	1
400	2.5		●	●		
400	5			●		●
400	10			●		●
500	2.5			●		
500	5		●	●		
500	10			●		●
600	2.5		●	●		
600	5			●		●
600	10		●	●		●
750	2.5			●		
750	5			●		●
750	10			●		●

3.3 ASK 31.4 measuring current transformers

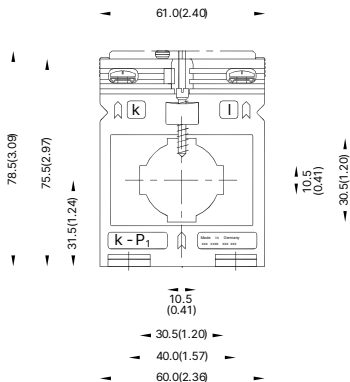
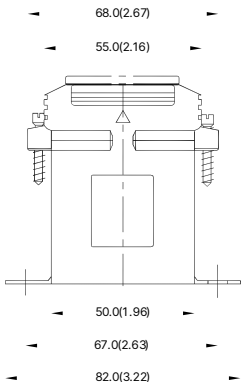


Specifications	
Primary conductor	30 x 10 mm 2 x 20 x 10 mm
Round conductor	Ø28 mm
Weight	0.220 - 0.480 kg (0.49 - 1.06 lbs)
DIN rail mounting	Item number 2961900710.04
Sealed shutter	Item number 2961900710.07

Secondary current →		5A			1A	
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class	
		0.2S	0.5	1	0.2S	1
75	1.5			●		●
100	1.5					●
100	2.5			●		

Secondary current →		5A			1A	
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class	
		0.2S	0.5	1	0.2S	1
100	3.75			●		
150	1.5		●			
150	2.5			●		
150	5			●		
200	2.5			●		
200	5	●				
200	7.5			●		
250	2.5			●		
250	5				●	●
250	10			●		
300	2.5		●	●		
300	5		●	●		
300	10		●	●		●
400	2.5			●		
500	2.5			●		
500	5	●				
500	10					●
600	5		●	●		
600	10			●		
750	15			●		

3.4 ASK 31.5 measuring 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)

Specifications

DIN rail mounting

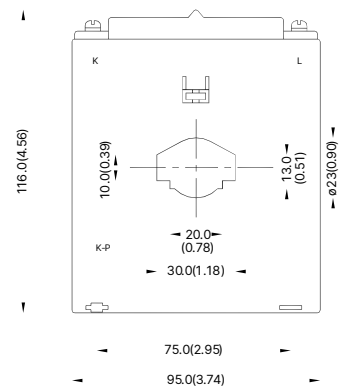
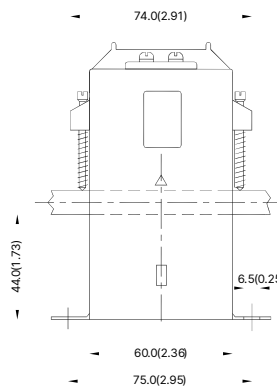
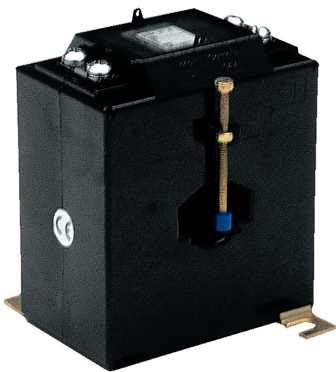
Item number 2961900710.05

Sealed shutter

Item number 2961900710.07

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	1
40	1		●	
80	2.5		●	
100	5		●	
150	2.5	●		
150	5	●		
150	7.5		●	
200	5	●	●	
200	10		●	
400	10		●	
500	10		●	
500	15		●	
600	5		●	●
600	10		●	
750	10			●

3.5 ASK 31.6 measuring 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

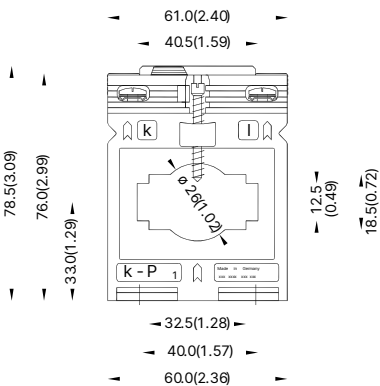
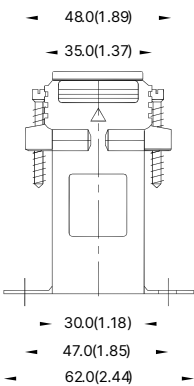
Not available

Sealed shutter

Type 59044

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		1	3	0.5	1
40	2.5		●		●
60	2.5			●	
75	5	●			
200	15	●			
200	30				●
250	5	●			
400	15	●			
600	10	●			

3.6 ASK 41.3 measuring current transformers

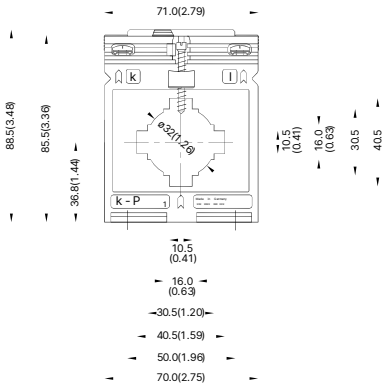
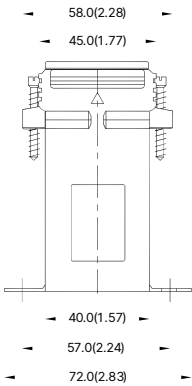


Specifications	
Primary conductor	40 x 12 mm 32 x 18 mm
Round conductor	Ø26 mm
Weight	0.180 - 0.300 kg (0.40 - 0.66 lbs)
DIN rail mounting	Item number 2961900710.03
Sealed shutter	Type 59040

Secondary current →		5A
Primary current A ↓	Burden VA ↓	Accuracy class
		1
150	2.5	●
200	2.5	●
250	2.5	●
300	5	●
400	2.5	●
400	5	●
500	5	●

Secondary current →		5A
Primary current A ↓	Burden VA ↓	Accuracy class
		1
600	5	●
750	10	●

3.7 ASK 41.4 measuring current transformers

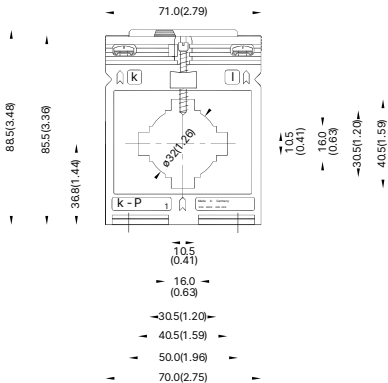
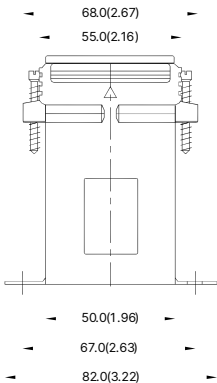


Specifications	
Primary conductor	40 x 10 mm 2 x 30 x 5 mm
Round conductor	Ø32 mm
Weight	0.240 - 0.800 kg (0.53 - 1.76 lbs)
DIN rail mounting	Item number 2961900710.06
Sealed shutter	Item number 2961900710.07

Secondary current →		5A			1A
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class
		0.2S	0.5	1	1
50	1.5			●	●
80	1.5			●	●
100	1.5			●	
100	3.75			●	
150	1.5	●		●	
150	5			●	●
200	1.5	●			
200	2.5			●	●
200	5		●	●	
200	10			●	
250	2.5	●		●	
250	5			●	
250	10			●	

Secondary current →		5A			1A
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class
		0.2S	0.5	1	1
300	2.5	●			
300	5	●	●	●	●
300	15			●	
400	2.5			●	
400	5	●	●	●	●
400	10		●	●	
400	15			●	
500	5	●			●
500	10			●	
500	15			●	●
600	2.5			●	
600	5	●		●	●
600	15			●	●
750	5			●	
750	10				●
750	15			●	
800	5		●	●	●
800	10		●	●	
800	15			●	●
1000	5			●	
1000	10		●	●	●
1000	15			●	

3.8 ASK 41.5 measuring current transformers

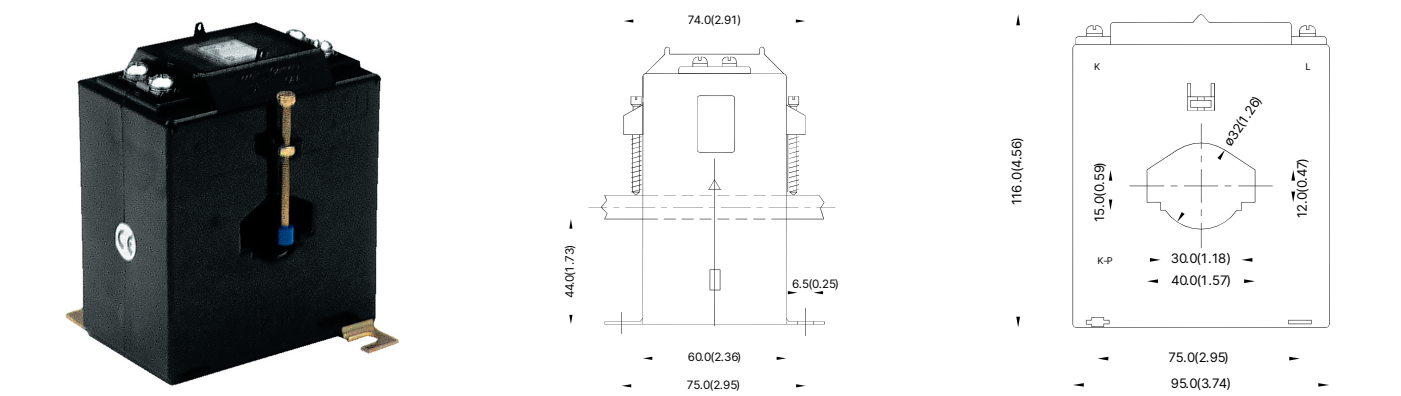


Specifications	
Primary conductor	40 x 10 mm 2 x 30 x 5 mm
Round conductor	Ø32 mm

Specifications	
Weight	0.250 - 0.510 kg (0.55 - 1.12 lbs)
DIN rail mounting	Item number 2961900710.06
Sealed shutter	Item number 2961900710.07

Secondary current →		5A	
Primary current A ↓	Burden VA ↓	Accuracy class	
		0.5	1
800	5		●
800	10	●	●
1000	5		●
1000	15		●

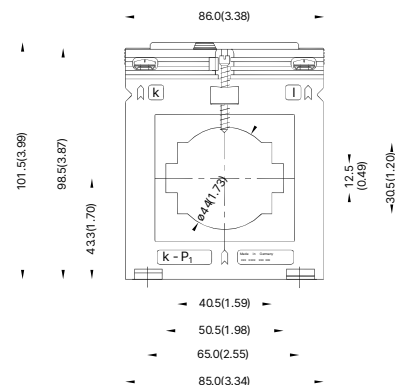
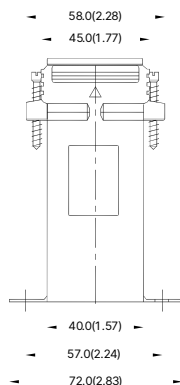
3.9 ASK 41.6 measuring current transformers



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	Type 59044

Secondary current →		5A
Primary current A ↓	Burden VA ↓	Accuracy class
		1
400	15	●

3.10 ASK 51.4 measuring current transformers

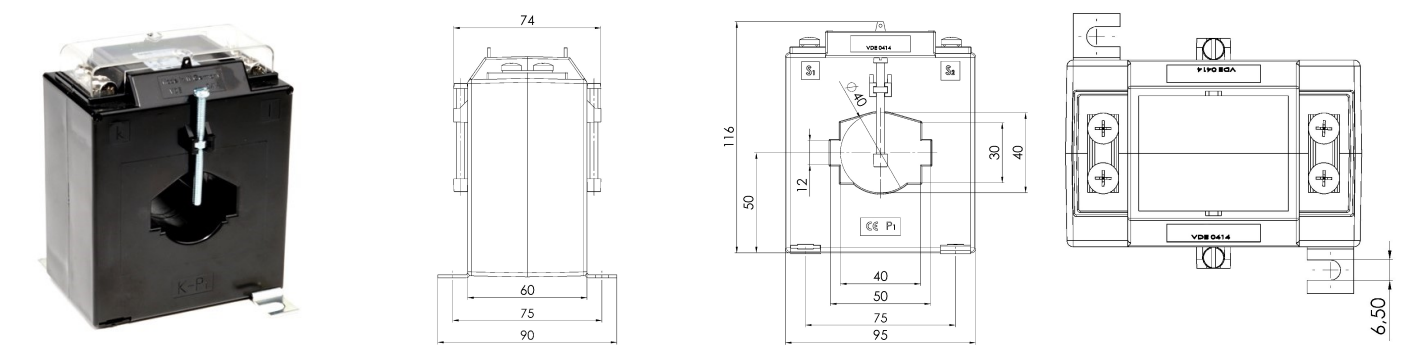


Specifications	
Primary conductor	50 x 10 mm 2 x 40 x 10 mm
Round conductor	Ø44 mm
Weight	0.260 - 0.720 kg (0.57 - 1.59 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
200	5		●		●
250	10		●		
300	10		●		
400	5		●		
400	10	●	●		
500	5				●
500	10		●		
500	15		●		
600	10		●		●
600	15		●		
750	10				●
750	15		●		
800	5		●		
800	10		●		●
800	15	●	●		
1000	5		●	●	●
1000	10	●	●		●
1000	15	●	●		
1200	10		●		

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
1200	15		●		●
1250	10	●	●		
1250	15	●	●		

3.11 ASK 51.6 measuring current transformers

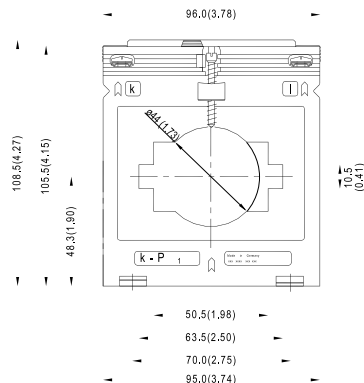
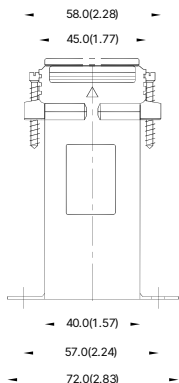


Specifications	
Primary conductor	50 x 12 mm 40 x 30 mm
Round conductor	Ø40 mm
Weight	0.750 - 1.000 kg (1.65 - 2.20 lbs)
DIN rail mounting	Not available
Sealed shutter	Type 59044

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
100	2.5		●		●
100	5		●		●
150	2.5	●	●	●	●
150	5	●	●	●	●
150	10		●		●
200	2.5	●	●	●	●
200	5	●	●	●	●
200	10	●	●	●	●
250	2.5	●	●	●	●
250	5	●	●	●	●
250	10	●	●	●	●
250	15	●	●	●	●
300	2.5	●			

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
300	5	●	●	●	●
300	10	●	●	●	●
300	15	●	●	●	●
300	30		●		●
400	5	●	●	●	●
400	10	●	●	●	●
400	15	●	●	●	●
400	30		●		●
500	5	●	●	●	●
500	10	●	●	●	
500	15	●	●	●	●
500	30		●		●
600	5	●	●	●	●
600	10	●	●	●	●
600	15	●	●	●	●
600	30		●		●
750	5	●	●	●	●
750	10	●	●	●	●
750	15	●	●	●	●
750	30		●		●
800	10	●	●	●	●
800	15	●	●	●	●
800	30		●		●
800	45		●		●
1000	10	●	●	●	●
1000	15	●	●	●	●
1000	30	●	●	●	●
1000	45		●		●
1200	10	●	●	●	●
1200	15	●	●	●	●
1200	30	●	●	●	●
1200	45		●		●
1250	10	●	●	●	●
1250	15	●	●	●	●
1250	30	●	●	●	●
1250	45		●		●

3.12 ASK 61.4 measuring current transformers

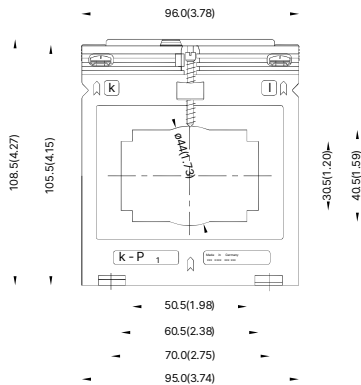
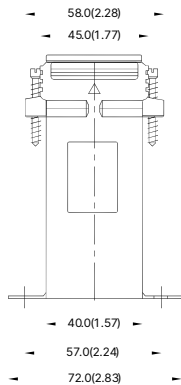


Specifications	
Primary conductor	63 x 10 mm 2 x 50 x 10 mm
Round conductor	Ø44 mm
Weight	0.300 - 0.630 kg (0.66 - 1.39 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A			1A
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class
		0.2S	0.5	1	1
250	1.5		●		
300	5			●	
400	2.5	●			
400	5				●
400	10			●	
500	5	●			
500	10				●
500	15			●	
600	5	●			
600	10			●	●
600	15			●	
750	5	●			
750	10			●	●
750	15			●	
800	5			●	
800	10		●		●
800	15		●	●	
1000	5	●		●	
1000	10			●	

Secondary current →		5A			1A
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class
		0.2S	0.5	1	1
1000	15			●	●
1200	5	●			
1200	10				●
1200	15		●		
1200	30			●	
1250	5	●	●		
1250	10				●
1250	15			●	
1250	30			●	
1500	5	●	●	●	
1500	10				●
1500	15		●	●	
1500	30		●	●	●
1600	5			●	
1600	10		●		
1600	15		●	●	
1600	30			●	

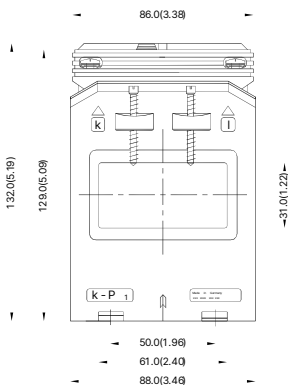
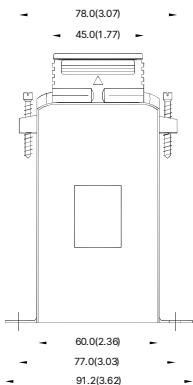
3.13 ASK 63.4 measuring current transformers



Specifications	
Primary conductor	60 x 30 mm 50 x 40 mm
Round conductor	Ø44 mm
Weight	0.300 - 0.800 kg (0.66 - 1.76 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	1
300	2.5		●	
400	5		●	
600	15		●	
750	10		●	
800	10		●	
1000	5		●	
1000	10	●	●	
1000	15		●	
1200	10		●	
1200	15		●	
1250	10	●	●	
1500	10	●		●
1500	15		●	

3.14 ASK 63.6 measuring current transformers

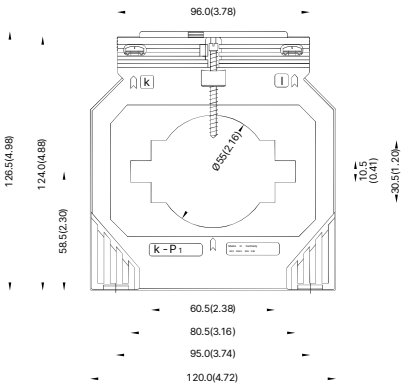
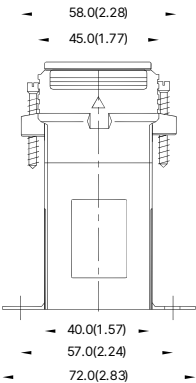
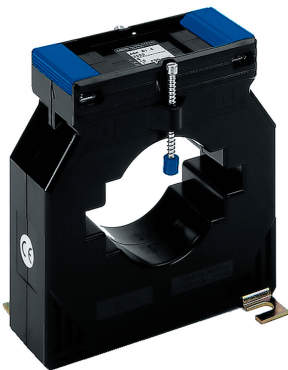


Specifications	
Primary conductor	60 x 30 mm
Round conductor	Ø30 mm
Weight	0.200 - 1.300 kg (0.44 - 1.39 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A	1A
Primary current A ↓	Burden VA ↓	Accuracy class	Accuracy class
		1	1
300	10		●
1200	15	●	
1250	10	●	

Secondary current →		5A	1A
Primary current A ↓	Burden VA ↓	Accuracy class	Accuracy class
		1	1
1600	10	●	
1600	15	●	

3.15 ASK 81.4 measuring current transformers

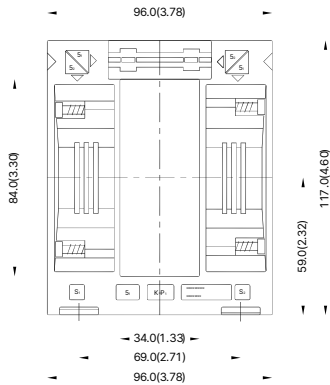
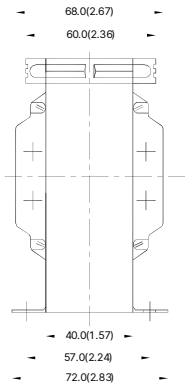


Specifications	
Primary conductor	80 x 10 mm 2 x 60 x 10 mm
Round conductor	Ø55 mm
Weight	0.400 - 1.000 kg (0.88 - 2.20 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A			1A
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class
		0.2S	0.5	1	1
500	10			●	
600	2.5			●	
600	10			●	
800	15			●	
1000	10		●	●	
1000	15			●	
1000	30			●	
1200	10			●	
1200	15			●	
1250	5			●	●
1250	10	●	●		●
1500	5	●			
1500	10	●		●	

Secondary current →		5A			1A
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class
		0.2S	0.5	1	1
1500	15		●	●	●
1600	5	●		●	
2000	10		●	●	
2000	15		●	●	●
2000	30			●	

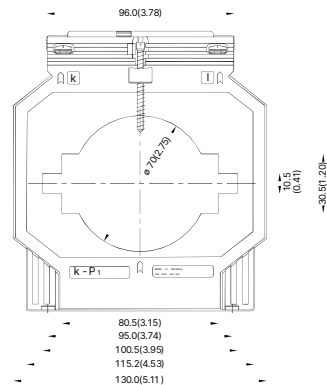
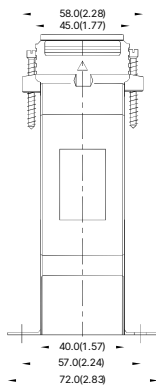
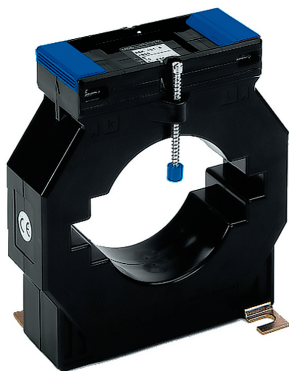
3.16 ASK 83.4 measuring current transformers



Specifications	
Primary conductor	83 x 34 mm
Round conductor	Ø34 mm
Weight	0.400 - 0.850 kg (0.88 - 1.87 lbs)
DIN rail mounting	Not available
Sealed shutter	Not available

Secondary current →		5A
Primary current A ↓	Burden VA ↓	Accuracy class
		1
1000	15	●
1200	15	●
1500	10	●
1500	15	●
2000	15	●

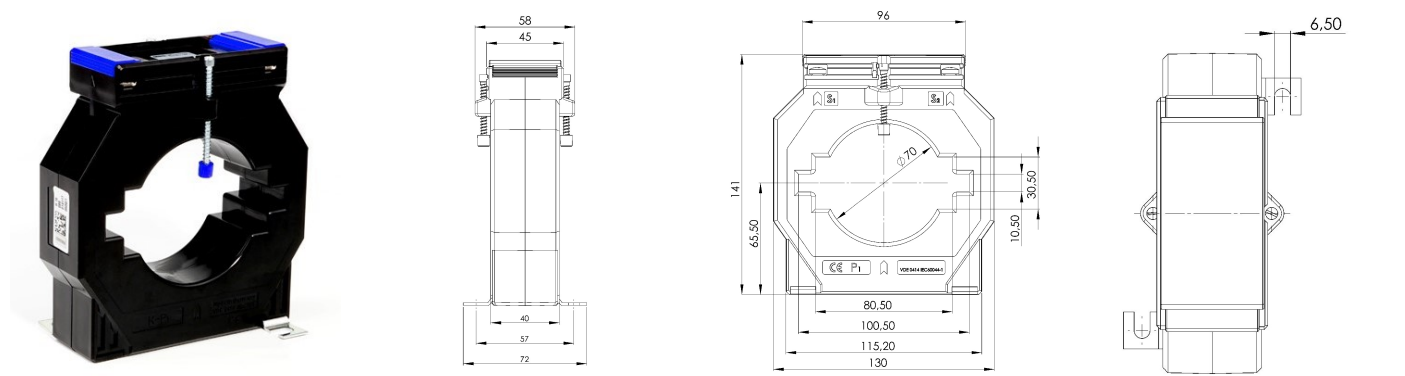
3.17 ASK 101.4 measuring current transformers



Specifications	
Primary conductor	100 x 10 mm 2 x 80 x 10 mm
Round conductor	Ø70 mm
Weight	0.200 - 0.740 kg (0.44 - 1.63 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	1
600	5		●	
1000	10	●	●	
1250	10		●	
1500	15	●		
1500	30		●	
1600	10		●	
1600	15		●	
1800	10		●	
1800	15			●
2000	10		●	
2000	15	●		
2000	30		●	

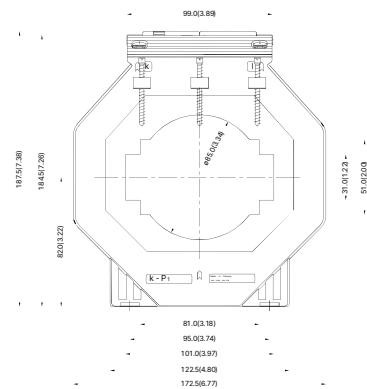
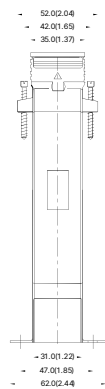
3.18 ASK 101.4 2U measuring current transformers



Specifications	
Primary conductor	100 x 10 mm 2 x 80 x 10 mm
Round conductor	Ø70 mm
Weight	0.550 - 0.700 kg (1.21 - 1.54 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A	1A
Primary current A ↓	Burden VA ↓	Accuracy class	Accuracy class
		1	1
600 - 1200	5 - 10	●	●
600 - 1200	7.5 - 15	●	●
750 - 1500	5 - 10	●	●
750 - 1500	7.5 - 15	●	●
800 - 1600	5 - 10	●	●
800 - 1600	7.5 - 15	●	●
800 - 1600	15 - 30	●	●
1000 - 2000	5 - 10	●	●
1000 - 2000	7.5 - 15	●	●
1000 - 2000	15 - 30	●	●

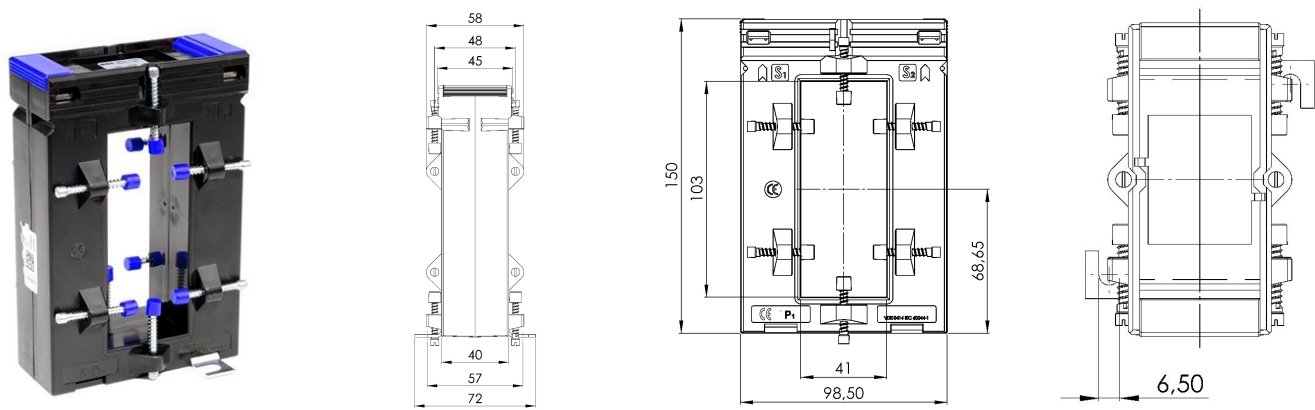
3.19 ASK 103.3 measuring current transformers



Specifications	
Primary conductor	2 x 100 x 10 mm 3 x 80 x 10 mm
Round conductor	Ø85 mm
Weight	0.500 - 0.800 kg (1.10 - 1.76 lbs)
DIN rail mounting	Not available
Sealed shutter	Type 59040 (x 2)

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	1
800	15		●	
1000	15		●	
1200	30		●	
1500	45		●	
1600	15	●		
2000	15		●	
2000	30			●
2500	10		●	●
2500	15	●	●	
2500	30	●	●	
3000	15		●	●
3000	30		●	

3.20 ASK 103.41 measuring current transformers

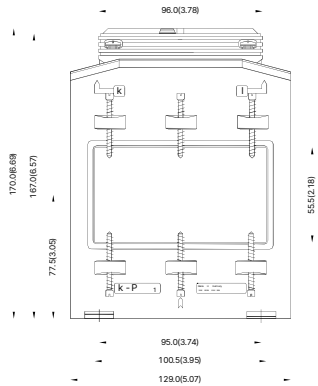
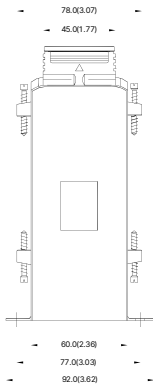


Specifications	
Primary conductor	103 x 41 mm
Round conductor	Ø40 mm
Weight	0.620 - 0.700 kg (1.37 - 1.54 lbs)
DIN rail mounting	Not available
Sealed shutter	Not available

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
400	2.5		●	●	●
400	5		●		●
500	2.5	●	●	●	●
500	5		●		●
600	2.5	●	●	●	●
600	5		●		●
750	2.5	●	●	●	●
750	5		●		●
800	5	●	●	●	●
800	10		●		●
1000	10	●	●	●	●
1000	15		●		●
1200	10	●	●	●	●
1200	15		●		●
1250	10	●	●	●	●
1250	15		●		●
1500	15	●	●	●	●
1500	30		●		●

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
2000	15	●	●	●	●
2000	30		●		●

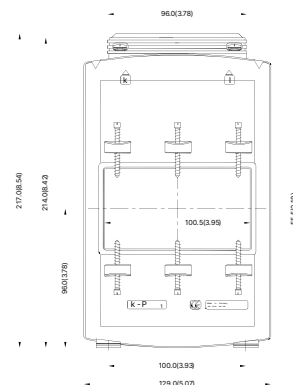
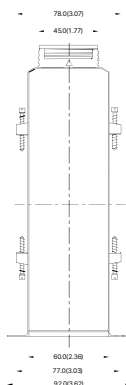
3.21 ASK 105.6 measuring current transformers



Specifications	
Primary conductor	100 x 55 mm
Round conductor	Ø55 mm
Weight	0.800 - 1.580 kg (1.76 - 3.48 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A			1A	
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class	
		0.2S	0.5	1	0.5	1
1000	5	●				●
1200	5	●				
1500	5	●		●		
2000	5	●	●			
2000	10	●				●
2000	15					●
2500	10	●	●	●		
2500	15			●		●
3000	5	●				
3000	10	●		●		
3000	15		●		●	
3000	30		●			
3000	45			●		

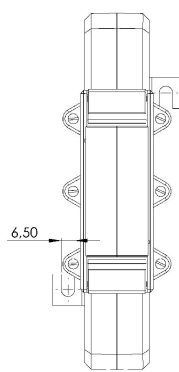
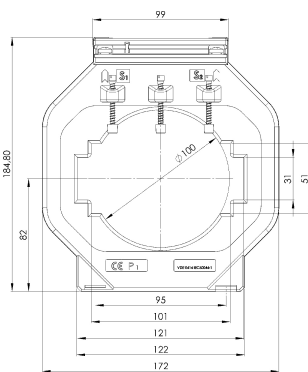
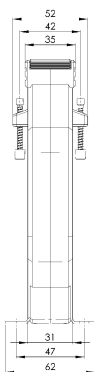
3.22 ASK 105.6N measuring current transformers



Specifications		
Primary conductor		100 x 55 mm
Round conductor		Ø55 mm
Weight		0.800 - 2.220 kg (1.76 - 4.89 lbs)
DIN rail mounting		Not available
Sealed shutter		Item number 2961900710.08

Secondary current →		5A
Primary current A ↓	Burden VA ↓	Accuracy class
2500	45	1
		●

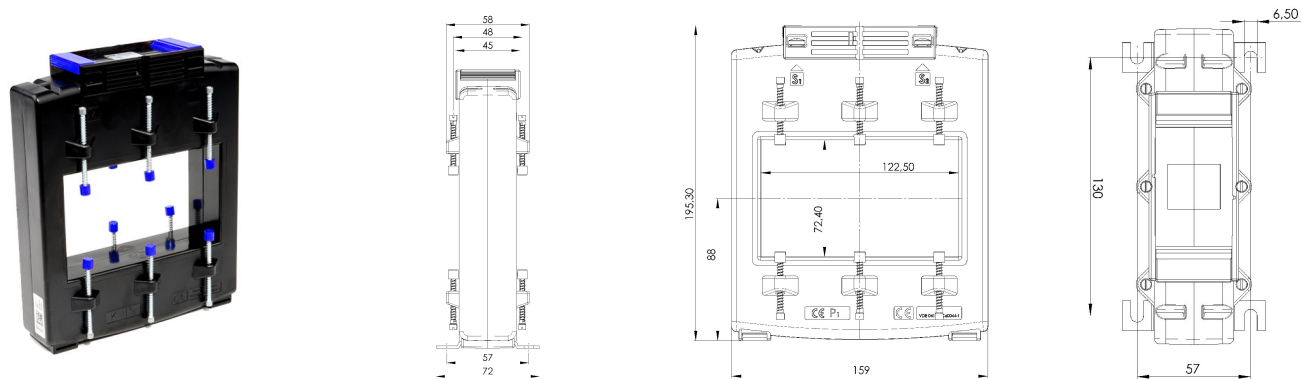
3.23 ASK 123.3 measuring current transformers



Specifications	
Primary conductor	123 x 30 mm 3 x 100 x 10 mm
Round conductor	Ø100 mm
Weight	0.600 - 1.020 kg (1.32 - 2.25 lbs)
DIN rail mounting	Not available
Sealed shutter	Type 59040 (x 2)

Secondary current →		5A			1A	
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class	
		0.2S	0.5	1	0.5	1
750	2.5	●	●			
750	5	●	●			
750	10	●	●			
1000	2.5		●			
1000	5	●	●	●	●	●
1000	10		●	●	●	●
1200	5	●	●	●	●	●
1200	10		●	●	●	●
1200	15		●	●	●	●
1250	5	●	●	●	●	●
1250	10	●	●	●	●	●
1250	15		●	●	●	●
1500	5	●	●	●	●	●
1500	10	●	●	●	●	●
1500	15		●	●	●	●
1500	30			●		●
1600	5	●		●		
1600	10	●		●		
1600	15	●		●		
1600	30		●	●		
1800	5		●	●	●	●
1800	10		●	●	●	●
1800	15		●	●	●	●
1800	30			●		●
2000	5	●	●		●	
2000	10	●	●	●	●	●
2000	15	●	●	●	●	●
2000	30		●	●	●	●
2500	5	●	●			
2500	10	●	●	●	●	●
2500	15	●	●	●	●	●
2500	30		●	●	●	●
3000	5	●	●			
3000	10	●	●	●	●	●
3000	15	●	●	●	●	●
3000	30		●	●	●	●
3000	45			●		●

3.24 ASK 127.4 measuring current transformers

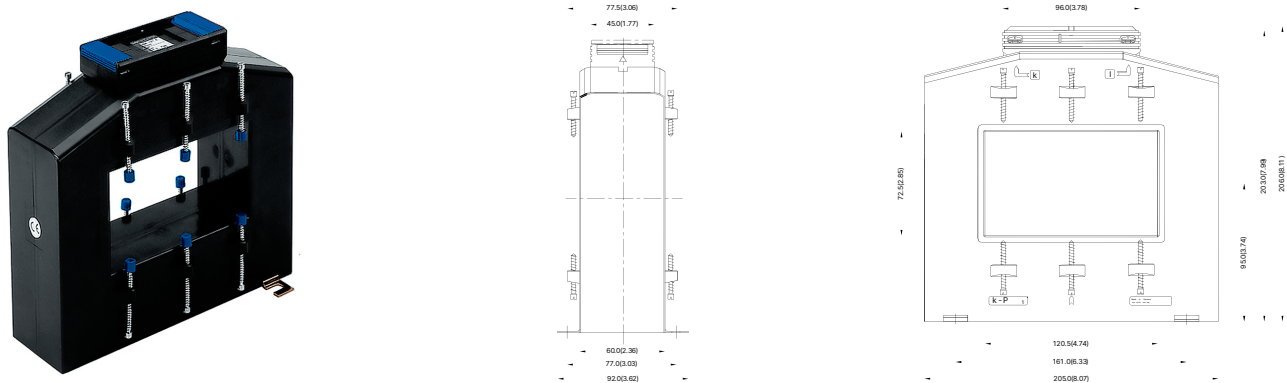


Specifications	
Primary conductor	120 x 70 mm
Round conductor	Ø70 mm
Weight	1.000 - 1.500 kg (2.20 - 3.31 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
1000	5	●	●	●	●
1000	10	●	●	●	●
1200	5	●	●	●	●
1200	10	●	●	●	●
1200	15	●	●	●	●
1250	10	●	●	●	●
1250	15	●	●	●	●
1250	30	●	●	●	●
1500	10	●	●	●	●
1500	15	●	●	●	●
1500	30	●	●	●	●
1600	10	●	●	●	●
1600	15	●	●	●	●
1600	30	●	●	●	●
1800	10	●	●	●	●
1800	15	●	●	●	●
1800	30	●	●	●	●
2000	10	●	●	●	●
2000	15	●	●	●	●

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
2000	30	●	●	●	●
2500	10	●	●	●	●
2500	15	●	●	●	●
2500	30	●	●	●	●

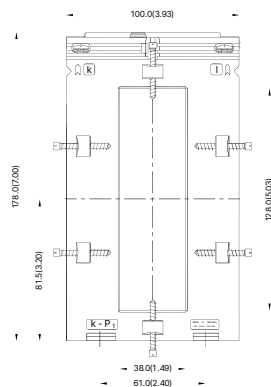
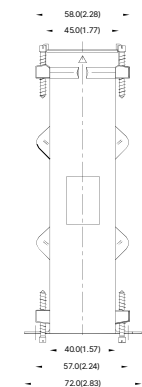
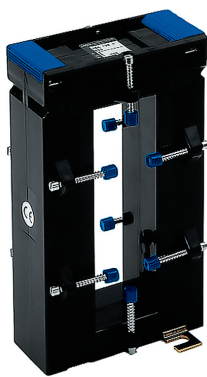
3.25 ASK 127.6 measuring current transformers



Specifications	
Primary conductor	120 x 70 mm
Round conductor	Ø70 mm
Weight	0.750 - 5.040 kg (1.65 - 11.11 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A	
Primary current A ↓	Burden VA ↓	Accuracy class	
		0.5	1
1250	5	●	
4000	15	●	●
4000	30	●	
4000	45		●
5000	15		●
5000	30	●	
5000	45		●

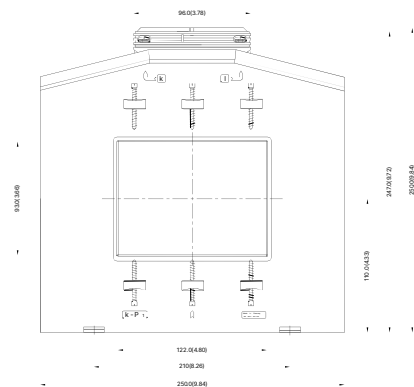
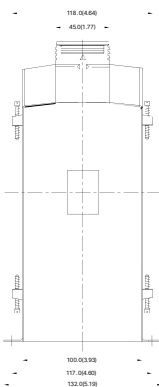
3.26 ASK 128.4 measuring current transformers



Specifications		
Primary conductor		128 x 38 mm
Round conductor		Ø38 mm
Weight		0.500 - 1.100 kg (1.10 - 2.43 lbs)
DIN rail mounting		Not available
Sealed shutter		Item number 2961900710.08

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	1
2000	15			●
2500	15	●		
2500	30		●	
2500	30 TRV		●	

3.27 ASK 129.10 measuring current transformers

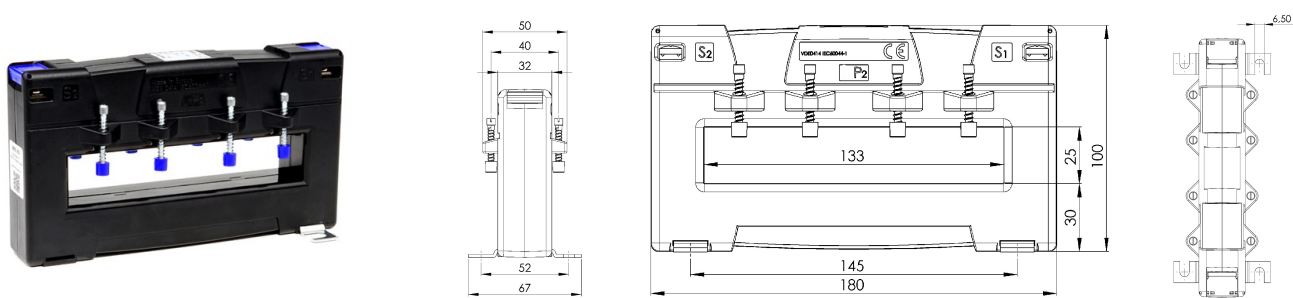


Specifications	
Primary conductor	120 x 90 mm
Round conductor	Ø90 mm
Weight	0.800 - 5.040 kg (1.76 - 11.11 lbs)

Specifications	
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A	1A
Primary current A ↓	Burden VA ↓	Accuracy class	Accuracy class
		1	0.5
6000	15	●	●
7500	15	●	
7500	45	●	

3.28 ASK 130.3 measuring current transformers

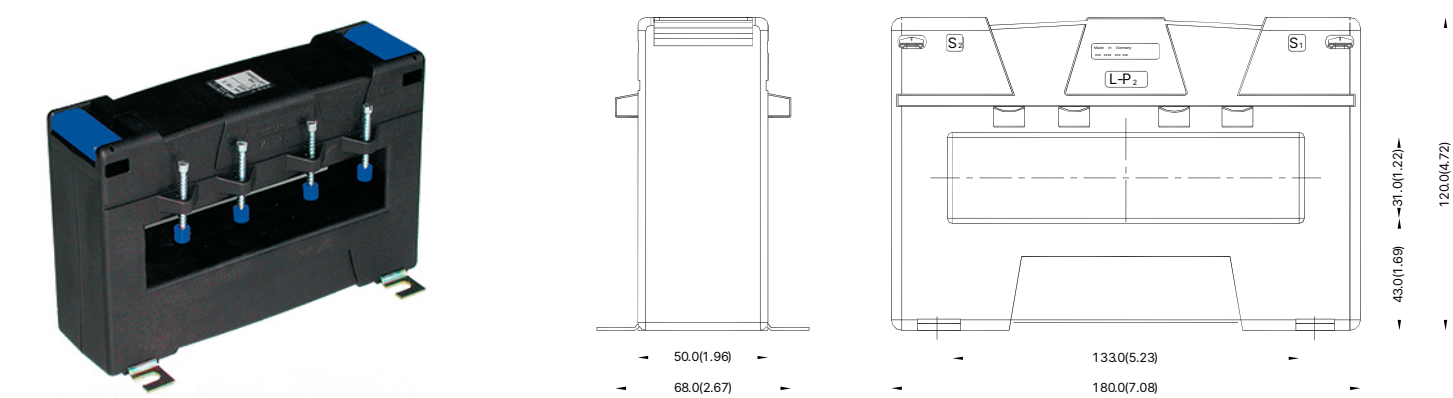


Specifications	
Primary conductor	130 x 25 mm
Round conductor	Ø25 mm
Weight	0.720 - 1.200 kg (1.59 - 2.65 lbs)
DIN rail mounting	Not available
Sealed shutter	Not available

Secondary current →		5A			1A	
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class	
		0.2S	0.5	1	0.5	1
300	2.5		●	●	●	●
300	5		●	●	●	●
400	2.5		●	●	●	●
400	5		●	●	●	●
400	10			●		●
500	2.5		●	●	●	●
500	5		●	●	●	●
500	10		●	●	●	●
600	2.5		●	●	●	●
600	5		●	●	●	●

Secondary current →		5A			1A	
Primary current A ↓	Burden VA ↓	Accuracy class			Accuracy class	
		0.2S	0.5	1	0.5	1
600	10		●	●	●	●
600	15			●		●
750	2.5	●	●	●	●	●
750	5		●	●	●	●
750	10		●	●	●	●
750	15		●	●	●	●
1000	5	●	●	●	●	●
1000	10	●	●	●	●	●
1000	15		●	●	●	●
1000	30			●		●
1200	5	●	●	●	●	●
1200	10	●	●	●	●	●
1200	15		●	●	●	●
1200	30			●		●
1250	5	●	●	●	●	●
1250	10	●	●	●	●	●
1250	15	●	●	●	●	●
1250	30			●		●
1500	5	●	●	●	●	●
1500	10	●	●	●	●	●
1500	15	●	●	●	●	●
1500	30		●	●	●	●
1600	5	●	●	●	●	●
1600	10	●	●	●	●	●
1600	15	●	●	●	●	●
1600	30		●	●	●	●

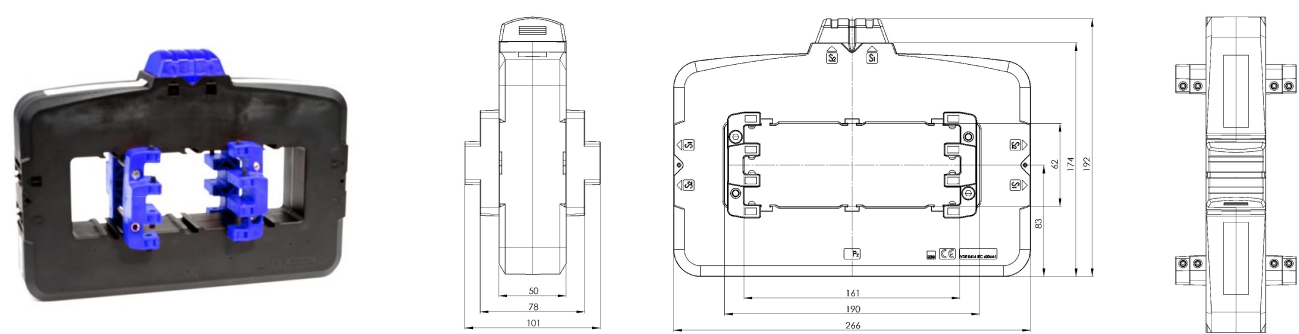
3.29 ASK 130.5 measuring current transformers



Specifications	
Primary conductor	130 x 30 mm
Round conductor	Ø30 mm
Weight	0.740 - 1.280 kg (1.63 - 2.82 lbs)
DIN rail mounting	Not available
Sealed shutter	Not available

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	1
2000	30			●
2500	30	●		
3200	10		●	
3200	30		●	

3.30 ASK 165.5 measuring current transformers

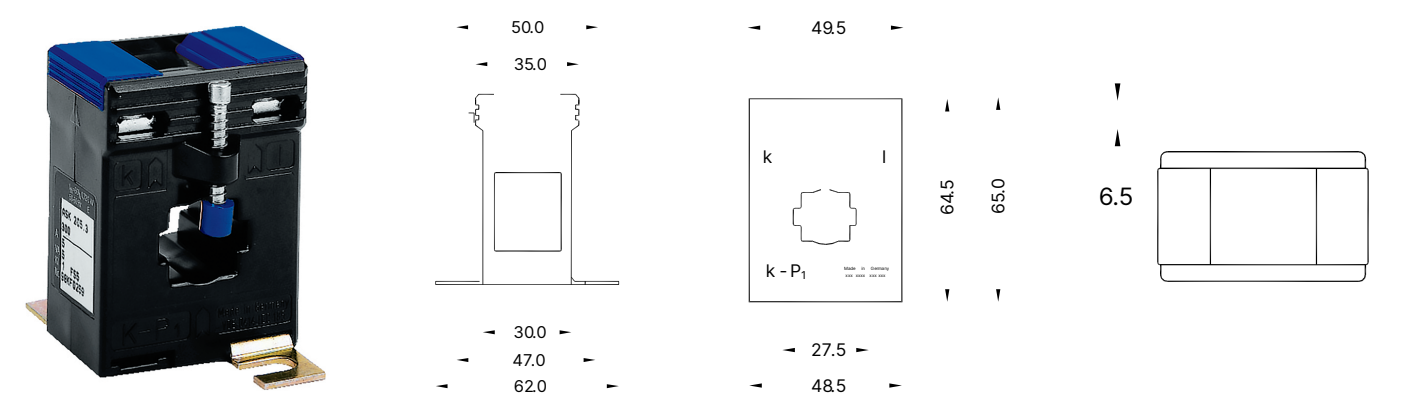


Specifications	
Primary conductor	106 x 30 mm 3 x 160 x 10 mm
Weight	0.920 - 1.200 kg (2.03 - 2.65 lbs)
DIN rail mounting	Not available
Sealed shutter	Not available

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Accuracy class				Accuracy class			
		0.2S	0.2	0.5	1	0.2S	0.2	0.5	1
1000	5	●		●	●	●		●	●
1000	10			●	●			●	●
1000	15				●				●
1200	5	●		●	●	●		●	●
1200	10	●		●	●	●		●	●
1200	15			●	●			●	●

Secondary current →		5A				1A			
Primary current A ↓	Burden VA ↓	Accuracy class				Accuracy class			
		0.2S	0.2	0.5	1	0.2S	0.2	0.5	1
1250	5	●		●	●	●		●	●
1250	10	●		●	●	●		●	●
1250	15			●	●			●	●
1500	10	●		●	●	●		●	●
1500	15			●	●			●	●
1500	30			●	●			●	●
1600	10	●		●	●	●		●	●
1600	15			●	●			●	●
1600	30			●	●			●	●
2000	10	●		●	●	●		●	●
2000	15	●	●	●	●	●	●	●	●
2000	30			●	●			●	●
2000	50				●				●
2500	15	●		●	●	●		●	●
2500	30			●	●			●	●
2500	60				●				●
3000	15	●		●	●	●		●	●
3000	30	●		●	●	●		●	●
3000	60				●				●
4000	30	●		●	●	●	●	●	●
4000	40				●				●
4000	60				●				●

3.31 ASK 205.3 measuring current transformers



Specifications	
Primary conductor	20 x 5 mm
Round conductor	Ø17.5 mm
Weight	0.180 - 0.370 kg (0.40 - 0.82 lbs)

Specifications

DIN rail mounting

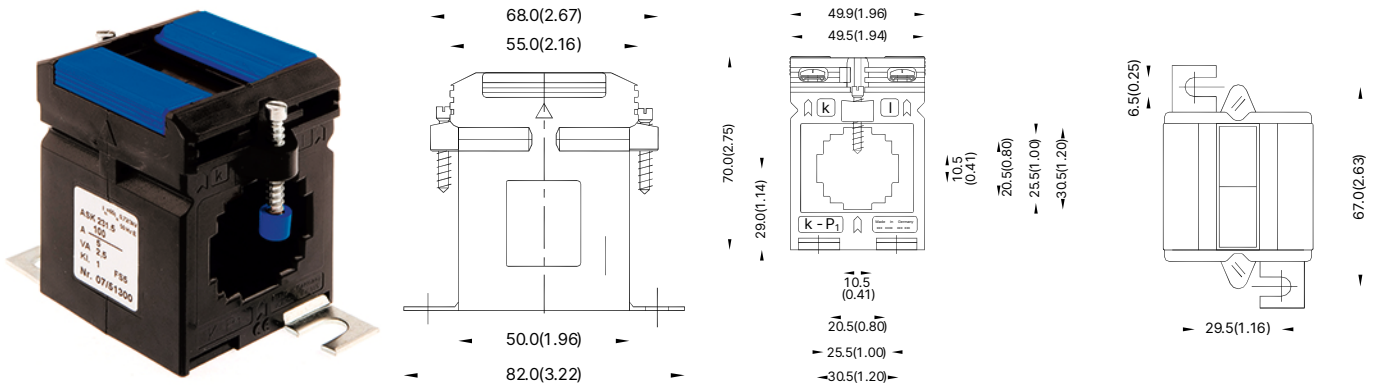
Item number 2961900710.02

Sealed shutter

Not available

Secondary current →		5A
Primary current A ↓	Burden VA ↓	Accuracy class 1
200	1.5	●
200	2.5	●
250	5	●
400	5	●

3.32 ASK 231.5 measuring current transformers



Specifications

Primary conductor

30 x 10 mm

Round conductor

Ø28 mm

Weight

0.190 - 1.000 kg (0.42 - 2.20 lbs)

DIN rail mounting

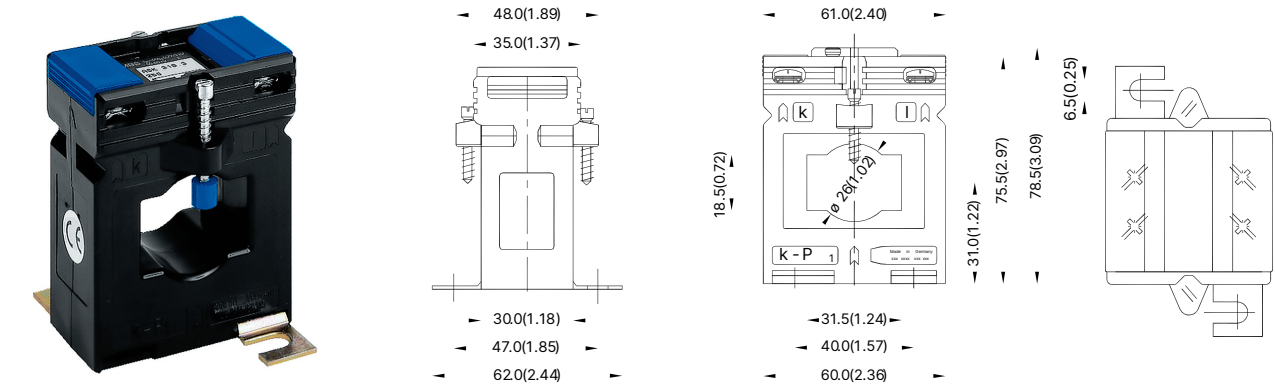
Not available

Sealed shutter

Included

Secondary current →		5A
Primary current A ↓	Burden VA ↓	Accuracy class 1
250	2.5	●
300	5	●
400	5	●
500	5	●

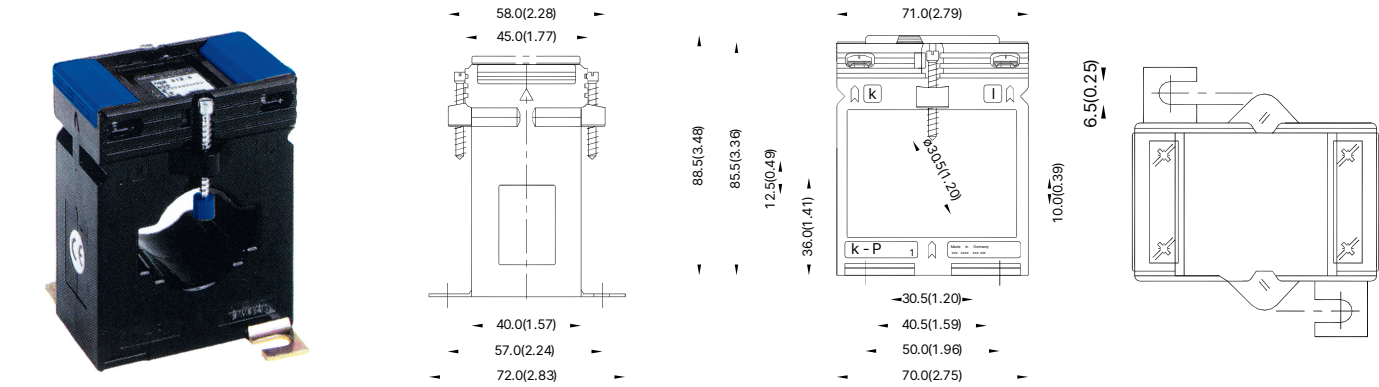
3.33 ASK 318.3 measuring current transformers



Specifications	
Primary conductor	31 x 18 mm
Round conductor	Ø26 mm
Weight	0.220 - 0.350 kg (0.49 - 0.77 lbs)
DIN rail mounting	Not available
Sealed shutter	Type 59040

Secondary current →		5A	
Primary current A ↓	Burden VA ↓	Accuracy class	
		0.5	1
300	5	●	●
500	10		●
600	10		●

3.34 ASK 412.4 measuring current transformers



Specifications	
Primary conductor	40 x 12 mm 30 x 15 mm
Round conductor	Ø30.5 mm
Weight	0.250 - 0.510 kg (0.55 - 1.12 lbs)

Specifications

DIN rail mounting

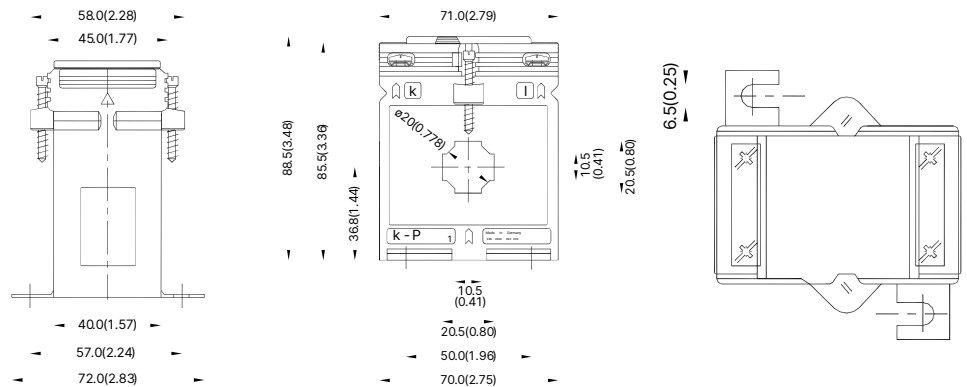
Item number 2961900710.06

Sealed shutter

Item number 2961900710.07

Secondary current →		5A		1A
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class
		0.5	1	0.5
50	1.5		●	
300	2.5		●	
600	2.5		●	
600	10	●		●
800	15		●	

3.35 ASK 421.4 measuring 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

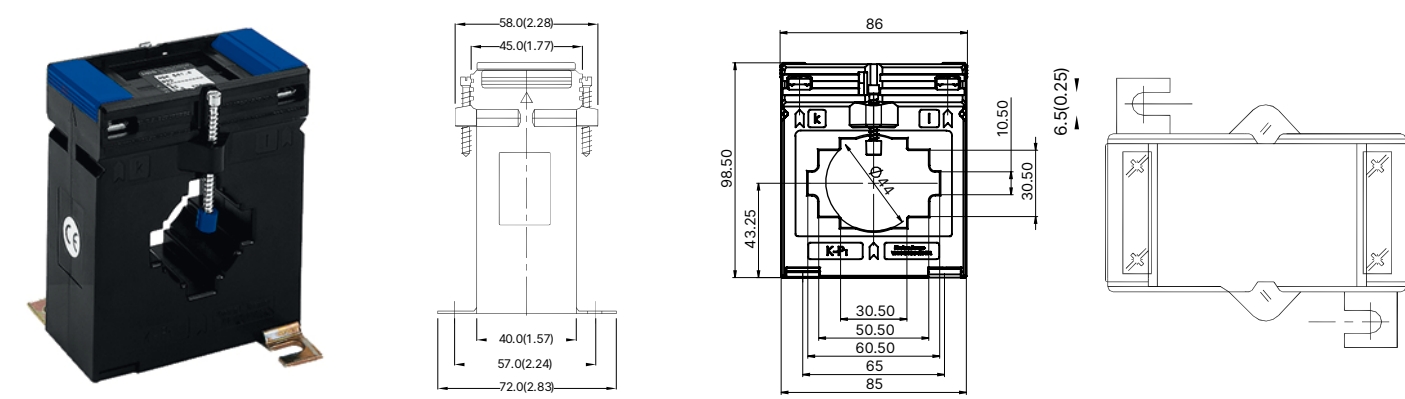
Not available

Sealed shutter

Item number 2961900710.07

Secondary current →		5A
Primary current A ↓	Burden VA ↓	Accuracy class
		1
125	5	●

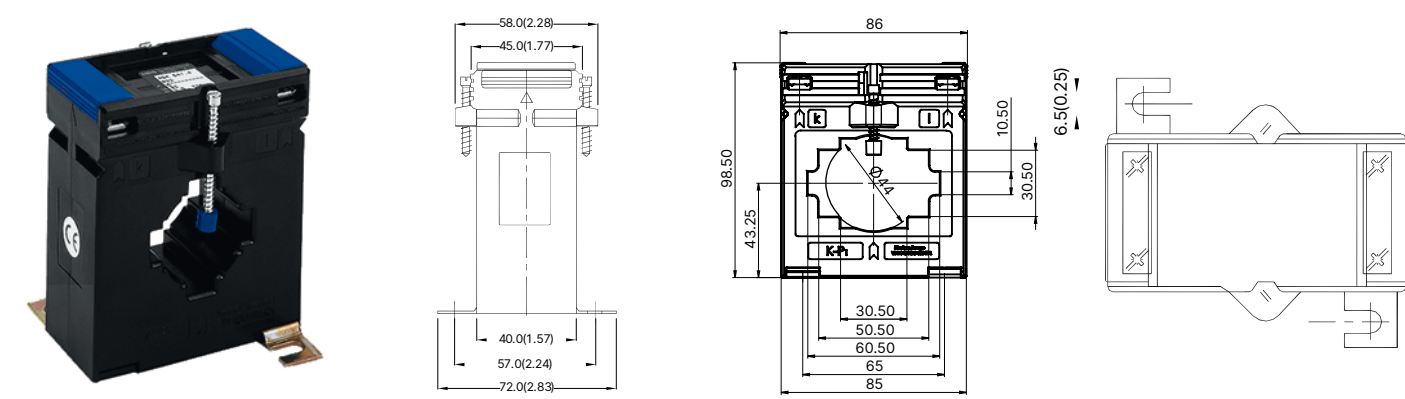
3.36 ASK 541.4 measuring current transformers



Specifications	
Primary conductor	30 x 10 mm 2 x 30 x 5 mm
Round conductor	Ø32 mm
Weight	0.270 - 1.000 kg (0.60 - 2.20 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A	
Primary current A ↓	Burden VA ↓	Accuracy class	
		0.5	1
80	2.5	●	
100	2.5	●	
100	5		●
125	2.5	●	
125	5		●
150	2.5		●
200	2.5	●	
200	5	●	●
500	30		●
1000	30		●

3.37 ASK 561.4 measuring current transformers



Specifications	
Primary conductor	60 x 10 mm 2 x 50 x 10 mm
Round conductor	Ø44 mm
Weight	0.300 - 0.660 kg (0.66 - 1.46 lbs)
DIN rail mounting	Not available
Sealed shutter	Item number 2961900710.08

Secondary current →		5A		1A	
Primary current A ↓	Burden VA ↓	Accuracy class		Accuracy class	
		0.5	1	0.5	1
300	5		●		
400	2.5			●	
400	10		●		●
500	2.5			●	
500	5	●			
750	10		●		
800	10	●	●		
800	15			●	
1000	10		●		
1000	15			●	
1000	30		●		
1250	5			●	
1250	10		●		
1250	15		●		

4. Accessories and options for current transformers

Accessory	Description
Mounting	Foot angle for screw mounting and busbar mounting screws with isolating protection caps are supplied along with the current transformer. DIN rail mounting accessory is stated at the individual CT type if it is available.
Sealed shutter	Transparent plastic cover protects the current transformer. The type label remains visible. Not available for all current transformer types. The sealed shutter part number is stated at the individual CT type if it is available.
Test certificate	Test certificate for a specific current transformer. Option to be selected at time of order.
Excitation curve	Excitation curve for a specific current transformer. Option to be selected at time of order.
Optional frequency	Standard frequency range is 50 to 60 Hz. Contact DEIF for special versions with other frequency ranges.
Cast resin	Standard for all current transformers with a nominal current >4000A. Current transformers with a nominal current <4000A can be produced with cast resin on request. The min. and max. weight specifications for each type refers to standard versions. The specification is different if cast resin is ordered for current transformers <4 000 A.