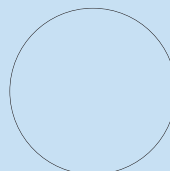


Tube current transformers

ASG 210.3

resin hardened

Round conductor
Transformer width



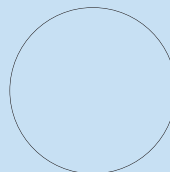
Ø 21 mm
44 mm

ASG 106

NEW

resin hardened

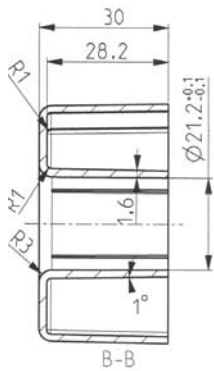
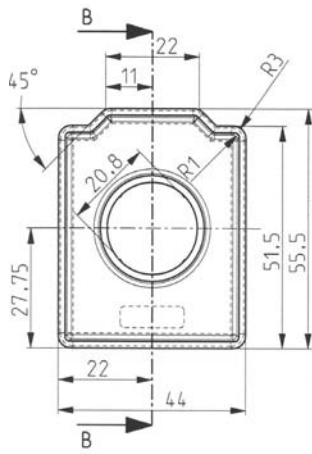
Round conductor
Transformer width



Ø 106 mm
190 mm

ASG 210.3

Tube current transformer
resin hardened



Secondary current		5A	1A
Primary current A	Burden VA	Accuracy class	Accuracy class
		1	1
		Art.-no.	Art.-no.
50	1	27500	27600
	1.25	27501	27601
60	1	27502	27602
	1.25	27503	27603
75	1.5	27504	27604
	1.5	27505	27605
80	1.25	27506	27606
	1.5	27507	27607
100	1.5	27508	27608
	2.5	27509	27609
125	1.5	27510	27610
	2.5	27511	27611
	3.75	27512	27612
150	1.5	27513	27613
	2.5	27514	27614
	3.75	27515	27615
200	1.5	27516	27616
	2.5	27517	27617
	5	27518	27618
250	2.5	27519	27619
	5	27520	27620
	7.5	27521	27621
300	2.5	27522	27622
	5	27523	27623
	7.5		

Connection cable 2.5 mm², 400 mm long.

Primary conductor	—
Round conductor	∅ 21 mm
Transformer width	44 mm
Snap-on mounting	—
Sealed shutter	—
Copper tubes	see page 204



ASG 106

Tube current transformer for panel boards

Features/benefits

- tube current transformer with 1...3 measuring systems integrated in one housing
- rated voltage 0.72 kV/3 kV
- primary current range 50 A ... 1250 A
- secondary currents 1 A or 5 A
- nominal burden 2.5 VA up to 30 VA
- accuracy classes 0.2 / 0.5 / 0.5s / 1 / 5P / 10P
- thermal nominal continuous current $1.2 \times I_N$
- it is possible to integrate into one housing a combination of measuring transformers and protection transformers
- measuring systems with hardened Polyurethan resin
- reliable results under extreme mechanical and climatic conditions
- a choice of 4 types of housings with different depths to accommodate special demands
- reduction of external wiring by means of fixed flexible connection terminals

Application

Current transformers of the type ASG 106 have been designed to cater for panel boards. Solidly installed flexible terminal connections as well as a large primary conductor opening with a 106 mm diameter, ensure a time saving and an easy assembly. The modular arrangement of the transformer make it possible to use a multiple of different types of current transformers in one housing.

Technical data ASG 106

Type	Low voltage current transformer, single-phase		Short time excess current	1.5 x I _N / 60 min
	Measuring system with Polyurethan resin, UL94-VO, hardened			2.0 x I _N / 30 min
Housing material	ABS / UL94-VO		Thermal nominal short time current	I _{TH} = 25 kA / 3 sek. (other values upon request)
Max. operating voltage U _m	0.72 kV		Nominal dynamic short time current	I _{DYN} = 60 x I _N , 1 sec; max.100 kA
Isolation test voltage	3 kV U _{EFF.} ; 50 Hz; 1 min.		Temperature environmental range	-5 °C < θ < +60 °C
Rated-held-short time alternating voltage (coil test)	3 kV		Max. permissible excess temperature of the primary current	70 °C
Nominal rated frequency	50 Hz, other frequencies upon request		Isolation class	"E"
Secondary connection cable	flexible copper wire, 4.0 mm ² , HO7V-K1X4, length 3.6 m		Climatic condition	suitable for tropical climates
Primary rated current intensity	50 ... 1250 A		Constant technical standards	DIN EN 60044/1 (issue 12/2003) DIN VDE 0414/1
Secondary rated current intensity	5 A or 1 A		Dimensions: b x h x d	190 x 190 x (50,100,170,214*) mm
Secondary rated assumed data burden	2.5 ... 15 VA	2.5 ... 30 VA	Primary conductor guide	diameter 106 mm
Accuracy classes	0.2 0.5 1			
	10P10 ... 30	5P10 ... 30		
Overload current limiting factor	FS 5 or FS 10			
Thermal continuous rated current intensity	I _D = 1.2 x I _N , other values upon request			

* Depth dependent on the number and type of the chosen measuring system