



# 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	$I_{TH} = 25 \text{ kA} / 3 \text{ sek.}$ (other values upon request)
Max. operating voltage $U_m$	0.72 kV		Nominal dynamic short time current	$I_{DYN} = 60 \times I_N, 1 \text{ sec; max. } 100 \text{ kA}$
Isolation test voltage	3 kV $U_{EFF.}; 50 \text{ Hz; } 1 \text{ min.}$		Temperature environmental range	$-5 \text{ }^\circ\text{C} < \vartheta < +60 \text{ }^\circ\text{C}$
Rated-held-short time alternating voltage (coil test)	3 kV		Max. permissible excess temperature of the primary current	70 $^\circ\text{C}$
Nominal rated frequency	50 Hz, other frequencies upon request		Isolation class	"E"
Secondary connection cable	flexible copper wire, 4.0 mm <sup>2</sup> , 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	$I_D = 1.2 \times I_N$ , other values upon request			

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