ASG 106

Tubular current transformer for panel boards with hardened Polyurethan resin
Current and protection transformer in one housing

Features / Benefits

- Tubular current transformer with 1…4 measuring systems integrated in one housing
- Rated voltage 0.72 / 3 / - kV
- Primary current range 40A … 1250A
- Secondary currents: 5 A, 2 A or 1 A, other values upon request
- Rated burden 2,5VA … 30VA
- Accuracy classes: 0,2; 0,2s; 0,5; 0,5s; 1; 3
- Protection classes: 5P /10P/ PX
- Thermal nominal continuous rated current I_{cth}: 1.2 x I_{pr}, other values upon request
- Combination from current and protection transformer in one housing
- Measuring system with hardened Polyurethan resin
- Reliable results under extreme mechanical and climatic conditions
- 4 different housing depths enable the implementation of variable customer requirements
- Reduction of the external wiring effort by fixed, arranged flexible connecting cables

Dimensions:

Primary opening diameter: 106 mm
Transformer width: 190 mm
Total depth: 50, 100, 170, 214 mm

General technical specifications:

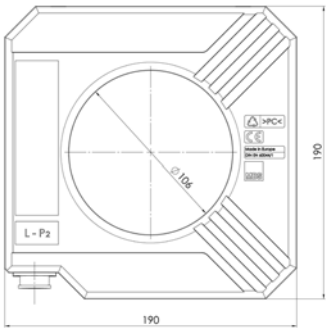
Thermal nominal continuous rated current I_{cth}:	1.2 x I_{pr} , other values upon request
Thermal nominal short-time current I_{th}:	25 kA, 3 sec., other values upon request
Maximum operating voltage U_m:	0.72 kV
Insulation test voltage:	3 kV, U_{eff}, 50 Hz, 1 min.
Rated frequency:	50 Hz, other values upon request
Insulation class:	F
Applicable technical standards:	DIN EN 61869, part 1 + 2

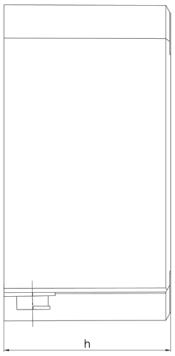
Further information:

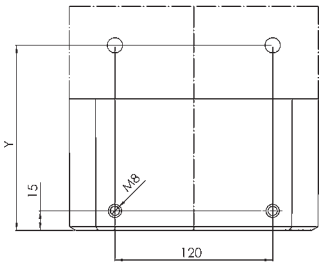
- Housing depth [x] dependent on the number and type of the chosen measuring system
- Measuring systems with hardened Polyurethan resin
- Reliable results under extreme mechanical and climatic conditions due to the full resin hardening
- Resin material with high fire safety (UL94-V0)
- Siemens AG type tests
- Applications: SF6-isolated medium voltage switchgears, wind turbines, facilities for power generation on ships, power distribution systems etc.
- Measuring cores with PTB-Test approval available

- Secondary connections: Flexible copper wire, standard length 3.6 m, 4 mm² other lengths and profiles upon request
- Solidly installed flexible terminal connections, additional textile braided sleeving for the protection of the isolation of the connection cable
- Influence of cable length is taken into account in the interpretation of the measurement systems
- Over current rated limiting factor: See rating plate
- Operating temperature: -5°C < T < +60°C
- Storage temperature: -25°C < T < +70°C
- Housing material: ABS, self-extinguishing, UL94-V0,
- 1-phase low voltage current transformer
- Full resin hardening and a new fixation system allow the application with higher mechanical load (application close to generator)
- High climate resistance and electric safety is achieved by high-quality materials
- Reduction of external wiring by means of flexible selectable length of secondary connection cables
- Mounting of current transformer with 2 pieces (optional 4 pieces) hexagon bolts M8x30
- Packaging unit: 1 pc.
- Customs tariff number: 85043129

Dimensions:



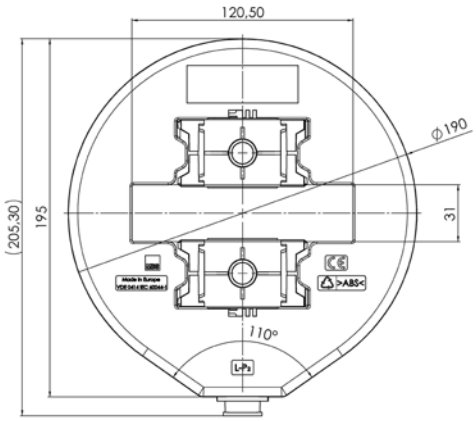


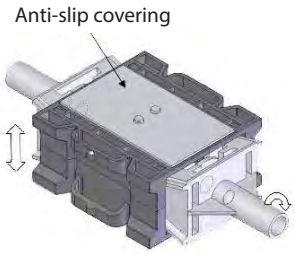


Housing depth (x)	50 mm	100 mm	170 mm	214 mm
Measurement (y) (optional)	-	85 mm	155 mm	199 mm

ASG 123

Plug-in transformer for panel boards with hardened Polyurethan resin
Current and protection transformer in one housing





Dimensions:

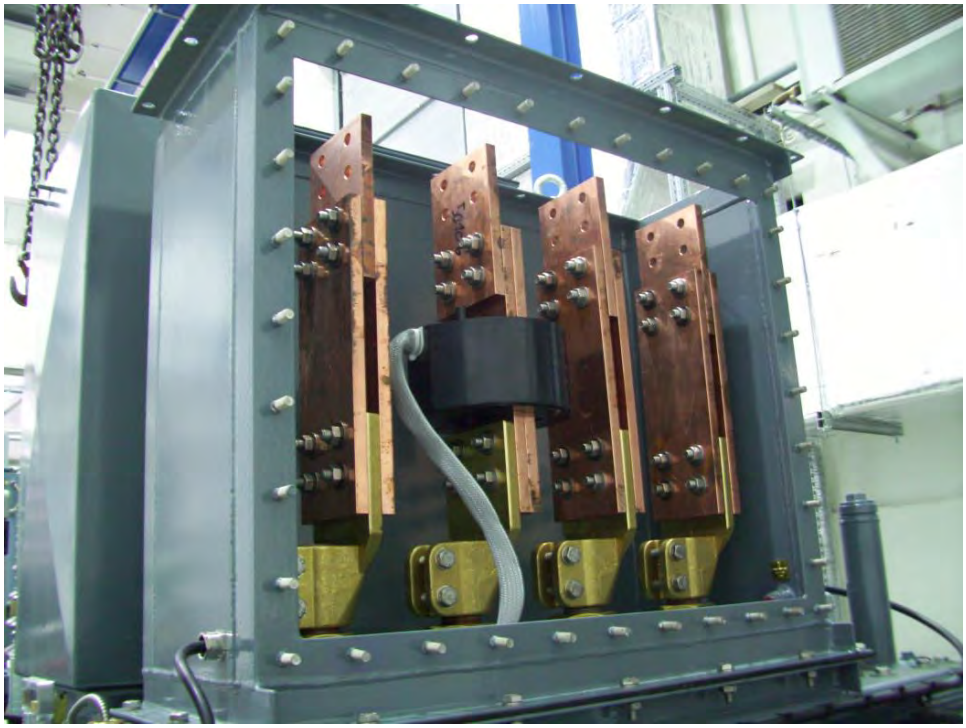
Primary conductor 1: 2x 120x10 mm
Primary conductor 2: 120x30 mm
Transformer depths: 50, 100, 125 mm

General technical specifications:

Thermal nominal continuous rated current I_{cth}:	1.2 x I_{pr}
Thermal nominal short-time current I_{th}:	25 kA, 3 sec., other values upon request
Maximum operation voltage U_m:	1.2 kV
Insulation test voltage:	6 kV, U_{eff}, 50 Hz, 1 min.
Rated frequency:	50 Hz, other values upon request
Insulation class:	F
Applicable technical standards:	DIN EN 61869, part 1 + 2

Further information:

- Tubular current transformer with 1…3 measuring systems integrated in one housing
- Depth dependent on the number and type of the chosen measuring system
- 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
- Resin material with high fire safety (UL94-V0)
- Simple fixation on the bus- bar by means of two clamp modules included in delivery
- Vibration stability of the current transformer was confirmed by an external independent laboratory
- Applications: SF6-isolated medium voltage switchgears, wind turbines, facilities for power generation on ships, power distribution systems etc.
- Primary current range 500 A … 4000 A
- Secondary currents: 5 A, 2 A or 1 A, other values upon request
- Accuracy classes: 1; 0.5; 0.5s; 0.2 and 0.2s
- Protection classes: 5P10, 10P10, 5P20, 10P20, PX

- Secondary connections: Flexible copper wire, standard length 1.5 m, 4 mm^2 other lengths and profiles upon request
- Solidly installed flexible terminal connections, additional textile braided sleeving for the protection of the isolation of the connection cable
- Influence of cable length is taken into account in the interpretation of the measurement systems
- Overload operation limit up to 120% of the primary rated current
- Over current rated limiting factor: See rating plate
- Operating temperature: -5°C < T < +60°C
- Storage temperature: -25°C < T < +70°C
- Housing material: ABS, self-extinguishing, UL94-V0,
- 1-phase low voltage current transformer
- Full resin hardening and a new fixation system allow the application with higher mechanical load (application close to generator)
- High climate resistance and electric safety is achieved by high-quality materials
- Reduction of external wiring by means of flexible selectable length of secondary connection cables
- Packaging unit: 1 pc.
- Customs tariff number: 85043129

Application example: