

IGSG 178 –Bushing-type Current Transformer

The IGSG 178 is used for measurement and protection in applications with vibration requirements like power generators. The cast resin insulated indoor current transformer can be used for 0,72 kV or in a medium voltage area in conjunction with an insulated connector. The special ELEQ generator construction, makes it possible to use the IGSG 178 with shock and/or vibration requirements. The current transformer is maintenance-free and mountable in any position.



Ordering Specifications

For the customized design of your ELEQ IGSG 178 Current Transformer the following information is required:

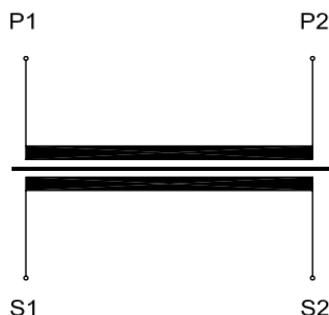
Mandatory

- Rated primary current
- Rated secondary current
- Rated output
- Accuracy class
- Frequency

Optional

- Multi-core transformers
- Other relevant requirements

Wiring diagram IEC 61869-2



Technical specifications

Environmental conditions	
This product is designed to be safe under the following conditions:	
Location:	Indoor use
Ambient air temperature:	-25°C .. +70°C; other temperatures on request
Storage and transport temperature:	-50°C .. +80°C
Relative humidity:	5% .. 95%, non condensing
Altitude:	Max. 1000m above NN; at >1000m data required
Protection degree:	IP55
Application conditions	
Standard:	IEC 61869-2 / IEEE C57.13, etc.
IEC 61768-2 specification	
Rated short-time thermal current (I _{th}):	100 x I _n /1s, max. 100kA/1s, other duration on request
Rated dynamic current (I _{dyn}):	2,5 x I _{th}
Continuous thermal current (I _{cth}):	Up to 200%
Rated insulation level:	0,72/3/-kV
Rated frequency:	50/60Hz
Class of insulation:	E
Rated primary current:	10-1500A
Rated secondary current:	1A or 5A; other options available on request
Rated output:	As required. For example 15VA
Accuracy class:	As required. For example 0,2; 0,5; 5P20
Secondary terminal:	PG11 or PG21 cable gland depends size B or F
Secondary terminal cross-section and length:	4 mm ² ; 3 m ± 10%

Dimensions*

