

GSA105 – Bushing-type Current Transformer

The GSA105 is a cast-resin insulated bushing-type current transformer for indoor applications. They are suitable to put on cables or bus-bars. In case of higher voltage levels the primary conductor must be insulated according to the rated insulation levels. The cast resin insulated indoor bushing-type current transformer can be used up to 1,2 kV. The current transformer is maintenance-free and mountable in any position.



Ordering Specifications

Ratio	Burden	Class	Article Number
60/5A	5VA	0,5S FS5	6G0070
90/5A	5VA	0,2S FS5	6G0090
100/5A	5VA	0,2S FS5	6G0100
135/5A	5VA	0,2S FS5	6G0110
60-90-135/5A	5VA	60/5A-0,5S FS5 90/5A-0,2S FS5 135/5A-0,2S FS10	6G0080

For the customized design of your ELEQ GSA105 Current Transformer the following information is required:

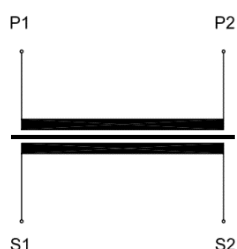
Mandatory

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

Optional

- Multi-core transformers are possible
- Terminal box is sealable
- Other relevant requirements

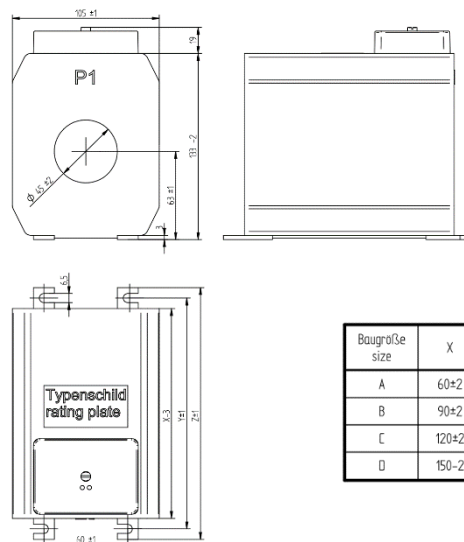
Wiring diagram IEC 61869-2 e.g. single core



Technical specifications

Environmental conditions	
This product is designed to be safe under the following conditions:	
Location:	Indoor use
Ambient air temperature:	-5°C .. +40°C; other temperatures on request
Storage and transport temperature:	-25°C .. +50°C
Relative humidity:	5% .. 95%, non condensing
Altitude:	Max. 1000m above NN; at >1000m data required
Protection degree (secondary terminal):	IP20
Application conditions	
Standard:	IEC 61869-2/IEEE C 57.13; etc.
IEC 61768-2 specification:	
Rated short-time thermal current (I _{th}):	100 x I _n /1s, max. 60kA/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:	1,2/6/-kV
Rated frequency:	50/60Hz
Class of insulation:	E
Rated primary current:	30A - 600A
Rated secondary current:	1A or 5A; other options available on request
Rated output:	As required. For example 10VA, 15VA
Accuracy class:	As required. For example 0,2, 5P20
Secondary terminal:	Screw terminals M5 (max. 2,5Nm)

Dimensions



Baugröße size	X	Y±1	Z±1
A	60±2	75	90
B	90±2	105	120
C	120±2	135	150
D	150-2	165	180

