mastering electricity ELEQ vorldwid

# 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 maintenancefree 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:

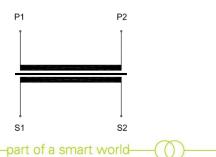
#### Mandatory

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

#### Optional

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

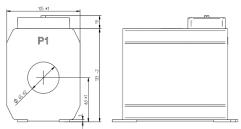
### Wiring diagram IEC 61869-2 e.g. single core

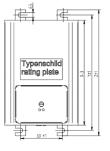


## **Technical specifications**

Environmental conditions		
This product is designed to be safe		
under the following conditions:		
Location:	Indoor use	
Ambient air temperature:	-5°C +40°C; other	
Charges and transport to magneture	temperatures on request	
Storage and transport temperature:	-25°C +50°C	
Relative humidity: Altitude:	5% 95%, non condensing	
Allilude.	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 (Ith):	100 x ln/1s, max. 60kA/1s, other duration on request	
Rated dynamic current (Idyn):	2.5 x lth	
Continuous thermal current (lcth):	up to 200%	
Rated insulation level:	1,2/6/-kV	
Rated frequency:	50/60Hz	
Class of insulation:	50/00112 F	
Rated primary current:	⊑ 30A - 600A	
Rated secondary current:	1A or 5A; other options available	
Naleu secondary current.	on request	
Rated output:	As required.	
. alos calput	For example 10VA, 15VA	
Accuracy class:	As required.	
	For example 0,2, 5P20	
Secondary terminal:	Screw terminals M5 (max.	
,	2,5Nm)	

### Dimensions





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