

## IGWR D1 – Generator Current Transformer

The IGWR D1 is used for measurement and protection in applications with vibration requirements like power generators. The cast resin insulated indoor supporting-type current transformer can be used up to 17,5 kV. The special ELEQ generator construction, makes it possible to use the IGWR D1 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 IGWR D1 Current Transformer the following information is required:

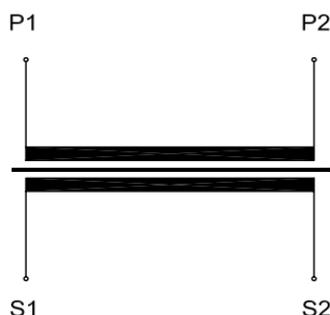
#### Mandatory

- 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

<b>Environmental conditions</b>	
This product is designed to be safe under the following conditions:	
Location:	Indoor use
Ambient air temperature:	-25°C .. +80°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 (secondary terminal):	IP20
<b>Application conditions</b>	
Standard:	IEC 61869-2 / IEEE C57.13, etc.
IEC 61768-2 specification	
Rated short-time thermal current (I <sub>th</sub> ):	100 x I <sub>n</sub> /1s, max. 50kA/1s, other duration on request
Rated dynamic current (I <sub>dyn</sub> ):	2,5 x I <sub>th</sub> , max. 125kA
Continuous thermal current (I <sub>cth</sub> ):	Up to 200%
Rated insulation level:	17,5/38/95kV
Rated frequency:	50/60Hz
Class of insulation:	E
Rated primary current:	5-1500A
Rated secondary current:	1A or 5A; other options available on request
Rated output:	As required. For example 2,5, 10, 30VA
Accuracy class:	As required. For example 0,2S, 5P10
Primary connection:	M12 (40Nm)
Secondary terminal:	Screw terminals M5 (max. 2,5Nm)

### Dimensions

