ELEQ mastering electricity worldwide

UGER C1 – Generator Voltage Transformer

The UGER C1 is used for measurement and protection in applications with vibration requirements like power generators. The single pole indoor voltage transformer can be used up to 17,5kV. The special ELEQ generator construction, makes it possible to use the UGER C1 in applications with shock and / or vibration requirements. The voltage transformer is maintenance-free and mountable in any position.

Technical Specifications

Environmental conditions	
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
Application conditions	
Standard:	IEC 61869-3 / IEEE C57.13; etc.
IEC 61768-3 specification:	
Rated thermal limiting output (Sth):	500VA measuring winding 100VA residual winding
Rated voltage factor:	1,9 x Un for 8h; 1,2 x Un continuous
Rated insulation level:	17,5/38/95kV
Rated frequency:	50/60Hz
Class of insulation:	E
Rated primary voltage:	2/√3kV - 15/√3kV
Rated secondary voltage:	100/√3V or 110/√3V; other options available on request
Rated output:	As required. For example 10, 15, 30VA
Accuracy class:	As required. For example 0,2, 3P
Primary connection:	M10 (20Nm)
Secondary terminal:	Screw terminals M5 (max. 2,5Nm)

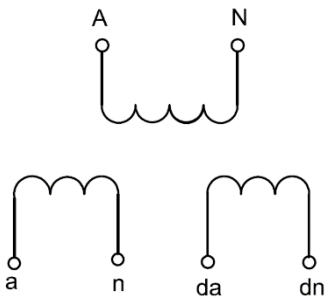
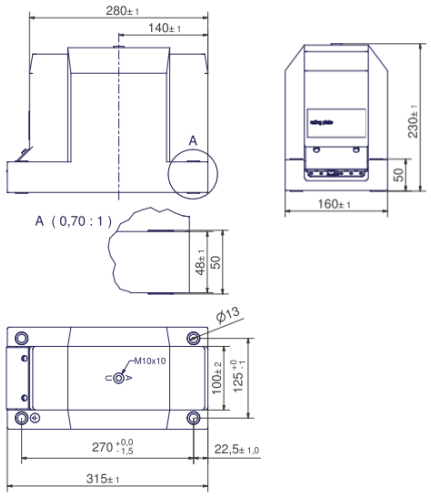
Ordering Specifications

For the customized design of your ELEQ UGER C1 Generator Voltage Transformer the following information is required:

Mandatory
- Rated primary voltage
- Rated secondary voltage
- Rated output
- Accuracy class
- Frequency

Optional
- Transformer requirement with separated windings
- Other relevant requirements

Wiring Diagram IEC 61869-3



Dimensions