

## 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.



### Ordering Specifications

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

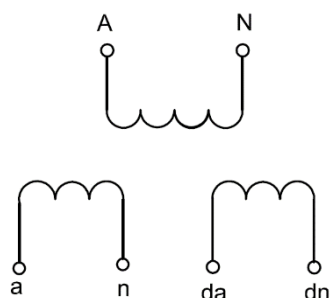
#### Mandatory

- 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



### 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<br>100VA residual winding      |
| Rated voltage factor:                | 1,9 x Un for 8h;<br>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.<br>For example 10, 15, 30VA               |
| Accuracy class:                      | As required.<br>For example 0,2, 3P                    |
| Primary connection:                  | M10 (20Nm)   |
| Secondary terminal:                  | Screw terminals M5 (max. 2,5Nm)                        |

### Dimensions

