

UGE C1 – Single Pole Voltage Transformer

The UGE C1 is used for measurement and protection in applications, especially in medium-voltage switchgears. The single pole indoor voltage transformer can be used up to 17,5kV. The voltage transformer is maintenance-free and mountable in any position



Ordering Specifications

For the customized design of your ELEQ UGE C1 voltage transformer the following information is required:

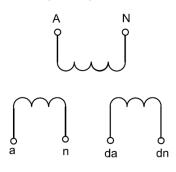
Mandatory

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

Optional

Other relevant requirements

Wiring Diagram IEC 61869-3 e.g.



Technical Specifications

Environmental conditions This product is designed to be safe

under the following conditions:

Location:

Ambient air temperature:

Storage and transport temperature: -25°C .. +50°C

Relative humidity: Altitude:

5% .. 95%, non condensing Max. 1000m above NN:

at >1000m data required

IEC 61869-3/IEEE C57.13: etc.

500VA measuring winding in

100VA residual winding

Indoor use

-5°C .. +40°C; other temperatures on request

Protection degree (secondary terminal):

Application conditions

Standard:

IEC 61768-3 specification:

Rated thermal limiting output (Sth):

Rated voltage factor:

1,9 x Un for 8h; 1,2 x Un continuous

total

17,5/38/95kV

50/60Hz

F

Rated insulation level: Rated frequency: Class of insulation:

Rated primary voltage:

Rated secondary voltage:

Rated output:

As required. For example 10, 15 or 30VA

Accuracy class:

As required. For example 0,2, 3P

 $2/\sqrt{3}kV - 15,4/\sqrt{3}kV$

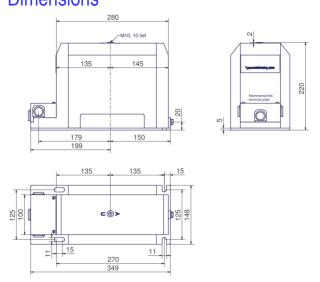
100/ $\sqrt{3}V$ or 110/ $\sqrt{3}V$; other

options available on request

Primary connection: Secondary terminal: M10 (20Nm) Screw terminals M5 (max.

2,5Nm)

Dimensions



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UGE D2 - Single Pole Voltage Transformer

The UGE D2 is used for measurement and protection in applications, especially in medium-voltage switchgears. The single pole indoor voltage transformer can be used up to 24kV. The voltage transformer is maintenance-free and mountable in any position.



Ordering Specifications

For the customized design of your ELEQ UGE D2 voltage transformer the following information is required:

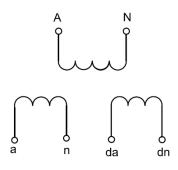
Mandatory

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

Optional

Other relevant requirements

Wiring Diagram IEC 61869-3 e.g.



Technical Specifications

Environmental conditions This product is designed to be safe under the following conditions: Location:

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:

Protection degree (secondary terminal):

Application conditions

Standard:

IEC 61768-3 specification:

Rated thermal limiting output (Sth):

total

Indoor use

at >1000m data required

IEC 61869-3/IEEE C57.13: etc.

500VA measuring winding in

100VA residual winding

Rated voltage factor: 1,9 x Un for 8h;

1,2 x Un continuous Rated insulation level: 24/50/125kV Rated frequency: 50/60Hz

Class of insulation: F Rated primary voltage: 2/√3kV - 22/√3kV

Rated secondary voltage: 100/ $\sqrt{3}V$ or 110/ $\sqrt{3}V$; other options available on request

Rated output: As required.

For example 10, 15 or 30VA

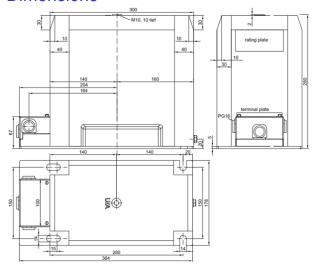
Accuracy class: As required.

For example 0,2, 3P

Primary connection: M10 (20Nm)

Secondary terminal: Screw terminals M5 (max. 2,5Nm)

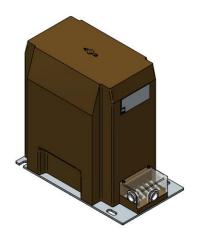
Dimensions





UGE D3 – Single Pole Voltage Transformer

The UGE D3 is used for measurement and protection in applications, especially in medium-voltage switchgears. The single pole indoor voltage transformer can be used up to 36kV. The voltage transformer is maintenance-free and mountable in any position



Ordering Specifications

For the customized design of your ELEQ UGE D3 voltage transformer the following information is required:

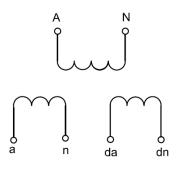
Mandatory

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

Optional

Other relevant requirements

Wiring Diagram IEC 61869-3 e.g.



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):

Application conditions

Standard:

IEC 61768-3 specification:

Rated thermal limiting output (Sth):

500VA measuring winding in

total

IEC 61869-3/IEEE C57.13: etc.

100VA residual winding

Rated voltage factor: 1,9 x Un for 8h; 1,2 x Un continuous Rated insulation level: 36/70/170kV Rated frequency: 50/60Hz

Class of insulation: F 2/√3kV - 33/√3kV Rated primary voltage:

100/ $\sqrt{3}V$ or 110/ $\sqrt{3}V$; other Rated secondary voltage: options available on request

Rated output: As required.

For example 10, 15 or 30VA

As required. Accuracy class: For example 0,2, 3P M10 (20Nm) Primary connection:

Screw terminals M5 (max. Secondary terminal:

2,5Nm)

Dimensions

