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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*

Range	Ratio	Winding 1	Winding 2	Article Number
24 kV	22.000:√3 / 110:√3 / 110:3	0-20VA cl 0.2	60VA 3P	6U4110
24 kV	20.000:√3 / 100:√3 / 100:3	0-20VA cl 0.2	60VA 3P	6U4011
24 kV	22.000:√3 / 100:√3 / 100:3	0-20VA cl 0.2	60VA 3P	6U4012
24 kV	20.000:√3 / 110:√3 / 110:3	0-20VA cl 0.2	60VA 3P	6U4112
17,5 kV	10.000:√3 / 110:√3	30VA cl 0.2	-	6U2191
17,5 kV	5.400:√3 / 110:√3 / 110:3	30VA cl 0.2	30VA 3P	6U1191
17,5 kV	11.000:√3 / 110:√3 / 110:3	30VA cl 0.2	30VA 3P	6U2192
17,5 kV	15.400:√3 / 110:√3	30VA cl 0.2	-	6U3191
17,5 kV	6.600:√3 / 110:√3 / 110:3	30VA cl 0.2	30VA 3P	6U1192

* To order the customized UGE D2 we require several specifications. In the table ´technical specifications´ the possibilities per specification are shown.

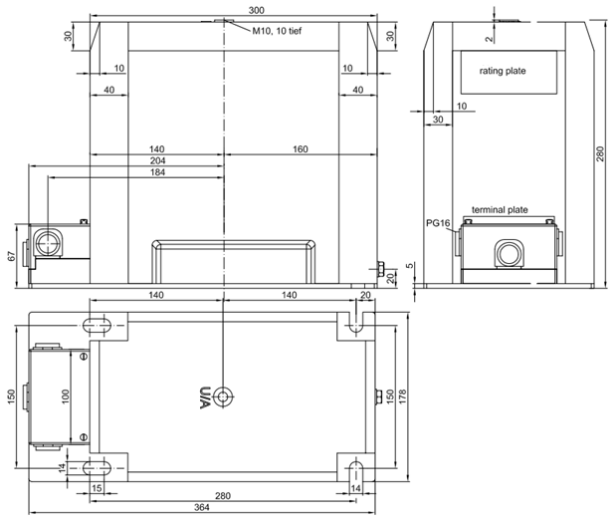
Mandatory
- Rated primary voltage
- Rated secondary voltage
- Rated output
- Accuracy class
- Frequency

Optional
- Other relevant requirements

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):	IP20
Application conditions	
Standard:	IEC 61869-3/IEEE C57.13; etc.
IEC 61768-3 specification:	
Rated thermal limiting output (Sth):	500VA measuring winding in total 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:	E
Rated primary voltage:	2/√3kV - 22/√3kV
Rated secondary voltage:	100/√3V or 110/√3V; 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



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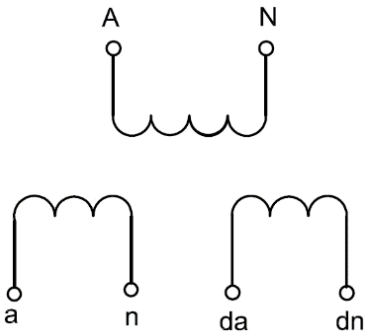
Wiring Diagram IEC 61869-3 e.g.