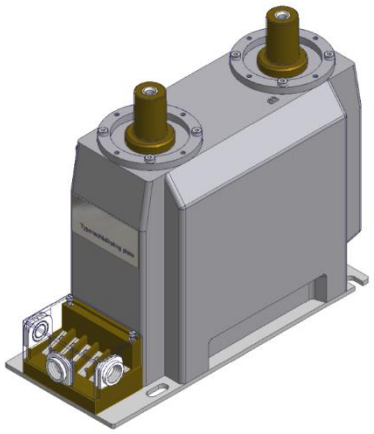
ELEQ mastering electricity worldwide

UGZCAK D1 – Double Pole Voltage Transformer (1/2)

The UGZCAK D1 is a cast-resin insulated metal-coating indoor double-phase voltage transformer suitable for medium voltage switchgears. The transformer is able to measure voltage up to 12kV and has two top outer cones. The UGZCAK D1 is equipped with conical socket connection according to DIN EN 50181. The voltage transformer does not need phase distances, has an increased contact security, 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:	-5°C .. +40°C; other temperatures on request
Storage and transport temperature:	-40°C .. +55°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; GOST 1983-2001 etc.
IEC 61768-3 specification:	
Rated thermal limiting output (Sth):	500VA
Rated voltage factor:	1,2 x Un continuous
Rated insulation level:	Max. 12/28/75kV
Rated frequency:	50/60Hz
Class of insulation:	E
Rated primary voltage:	1,2 kV - 11kV, other options available on request
Rated secondary voltage:	100V, 110V, 230V; other options available on request
Rated output:	As required.
Accuracy class:	As required.
Secondary terminal:	Screw terminals M5 (max. 2,5Nm)

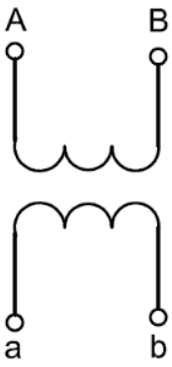
Ordering Specifications*

For the customized design of your ELEQ UGZCAK D1 Voltage Transformer the following information is required:

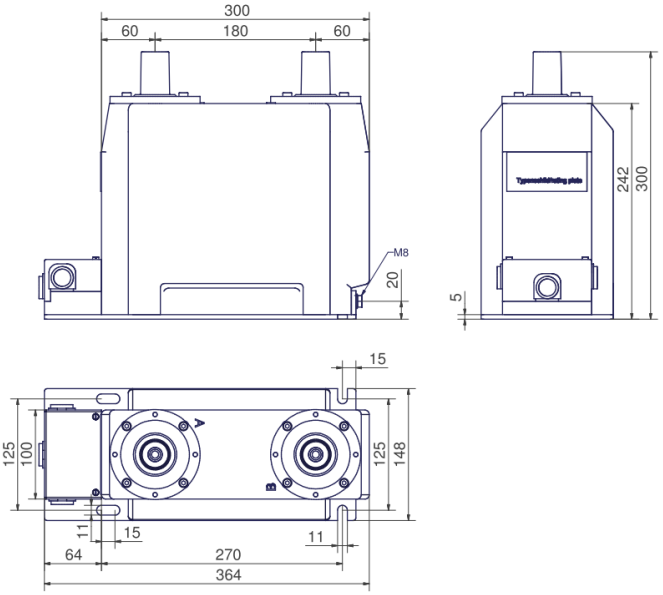
Mandatory
- Rated primary voltage
- Rated secondary voltage
- Rated output
- Accuracy class
- Frequency

Optional
- Other relevant requirements

Wiring Diagram IEC 61869-3 e.g.



Dimensions



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UGZCAK D1 – Double Pole Voltage Transformer (2/2)

* Maximum burden per class

Primary Voltage	Secondary Voltage					
	230V		110V		100V	
3,0 kV	500 VA	No class	500 VA	No class	500 VA	No class
	200 VA	Class 3	200 VA	Class 3	200 VA	Class 3
	120 VA	Class 1	120 VA	Class 1	120 VA	Class 1
	60 VA	Class 0,5	60 VA	Class 0,5	60 VA	Class 0,5
	30 VA	Class 0,2	30 VA	Class 0,2	30 VA	Class 0,2
3,3 kV	500 VA	No class	500 VA	No class	500 VA	No class
	200 VA	Class 3	200 VA	Class 3	200 VA	Class 3
	120 VA	Class 1	120 VA	Class 1	120 VA	Class 1
	60 VA	Class 0,5	60 VA	Class 0,5	60 VA	Class 0,5
	30 VA	Class 0,2	30 VA	Class 0,2	30 VA	Class 0,2
6,0 kV	500 VA	No class	400 VA	No class	400 VA	No class
	200 VA	Class 3	200 VA	Class 3	200 VA	Class 3
	120 VA	Class 1	120 VA	Class 1	120 VA	Class 1
	60 VA	Class 0,5	60 VA	Class 0,5	60 VA	Class 0,5
	30 VA	Class 0,2	25 VA	Class 0,2	25 VA	Class 0,2
6,6 kV	500 VA	No class	400 VA	No class	400 VA	No class
	200 VA	Class 3	200 VA	Class 3	200 VA	Class 3
	120 VA	Class 1	120 VA	Class 1	120 VA	Class 1
	60 VA	Class 0,5	60 VA	Class 0,5	60 VA	Class 0,5
	30 VA	Class 0,2	25 VA	Class 0,2	25 VA	Class 0,2
10 kV	500 VA	No class	400 VA	No class	400 VA	No class
	200 VA	Class 3	200 VA	Class 3	200 VA	Class 3
	120 VA	Class 1	120 VA	Class 1	120 VA	Class 1
	60 VA	Class 0,5	60 VA	Class 0,5	60 VA	Class 0,5
	30 VA	Class 0,2	25 VA	Class 0,2	25 VA	Class 0,2
11 kV	500 VA	No class	400 VA	No class	400 VA	No class
	200 VA	Class 3	200 VA	Class 3	200 VA	Class 3
	120 VA	Class 1	120 VA	Class 1	120 VA	Class 1
	60 VA	Class 0,5	60 VA	Class 0,5	60 VA	Class 0,5
	30 VA	Class 0,2	25 VA	Class 0,2	25 VA	Class 0,2

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