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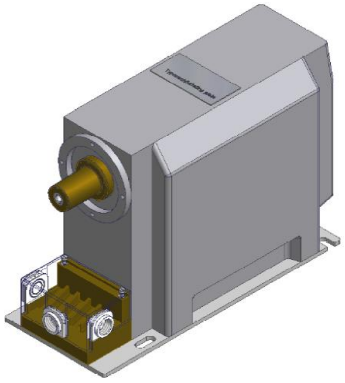
# UGECAK..D1.E – Medium Voltage Insulated Voltage Transformer

The UGECAK..D1.E is a medium voltage insulated voltage transformer with screening against electric fields which enables mounting with no phase distance. This product is cast resin insulated and touch-proved. The transformer is able to measure voltage up to 12kV and is suitable for front- or top conus. The UGECAK..D1.E is equipped with conical socket connection on the front according to DIN EN 50181. The voltage transformer can be used for switchgear, is maintenance-free and mountable in any position. The secondary terminals are protected with a sealable cover with a degree of protection of IP 20. The product is GOST approved.



## Technical Specifications

| | |
|---|---|
| Application | Switchgear |
| Standard | IEC61869-3, VDE 0414 |
| Rated insulation voltage | Up to 12/28/75kV |
| Maximum rated primary voltage | 11 / √3 kV |
| Rated voltage factor | 1,9 x Un for 8 h; 1,2 x Un continuous |
| Secondary voltages | 100 / √3 V or 110 / √3 V, other options available on request |
| Rated output | As required<br>For example 2,5, 5, 10, 15, 30VA |
| Accuracy class | As required.<br>For example 0,2, 3P |
| Rated terminal limiting output Sth | 500VA Measuring winding<br>100VA Auxiliary winding |
| Rated frequency | As required.<br>For example 50-60Hz |
| Class of insulation | E |
| Secondary terminals | Protected with a sealable cover, degree of protection IP 20 |

## Ordering Specifications*

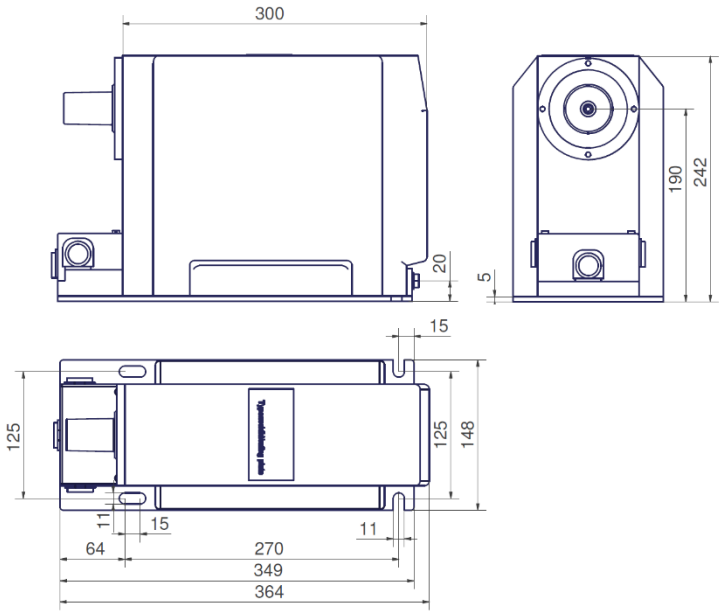
| Range | Ratio | Winding 1 | Winding 2 | Article number |
|---|---|---|---|---|
| 12kV | 10.000:√3 / 100:√3 / 100:3 | 0-7,5VA cl 0.2 | 30VA 3P | 6V2150 |
| 12kV | 10.000:√3 / 110:√3 / 100:3 | 0-7,5VA cl 0.2 | 30VA 3P | 6V2101 |
| 12kV | 11.000:√3 / 110:√3 / 100:3 | 0-7,5VA cl 0.2 | 30VA 3P | 6V2111 |
| 12kV | 11.000:√3 / 100:√3 / 100:3 | 0-7,5VA cl 0.2 | 30VA 3P | 6V2112 |

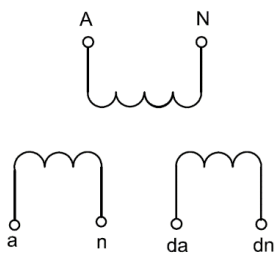
* To order the customized UGECAK..D1.E we require several specifications. In the table 'technical specifications' the possibilities per specification are shown.

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

**Optional**
- Other relevant requirements

## Dimensions




## Wiring Diagram