



Highest voltage for equipment	[kV]	3.6 - 12
Power frequency test voltage, 1 min.	[kV]	10 - 28
Lightning impulse test voltage	[kV]	40 - 75
Max. rated burden, classes	[VA/cl]	25/0.2 - 75/0.5 - 150/1

Description

The TDC 4 voltage, double-pole insulated transformers are cast in epoxi resin and designed mostly for insulation voltages of 3.6 kV to 12 kV.

If no other value is required the transformers are manufactured with a voltage factor of $1.2 \times U_n$. All the parts of the primary winding of the transformer are insulated from the earth, including the terminals, to an insulation level identical with the rated insulation level. When operating in a three-phase system the primary inlets of the transformer are connected across the respective lines, to the phase-to-phase voltage, mostly in the „V" type of connection. The majority of the transformers is equipped with one secondary winding, intended to be used for either the measurement or protection purposes. One of the terminals of each secondary winding has to be earthed during the transformer operation.

If not required otherwise, the secondary winding is lead out into a cast secondary terminal board.

The transformer may be mounted in any position. The transformers are fixed by four screws, The M8 bolted earthing clamp is located on the transformer base plate. The secondary, sealable terminal board is covered with a transparent cover made of plastic material.

Rated primary voltages ... 3 kV; 3.3 kV; 6 kV; 6.6 kV; 10 kV; 11 kV

Other primary voltages based on customer's request may be delivered, too.

Rated secondary voltages... 100 V; 110 V – 0.2; 0.5; and 1 accuracy classes (measuring winding), or 3P; 6P (protection winding)

Other secondary voltages based on customer's request may be delivered, too.

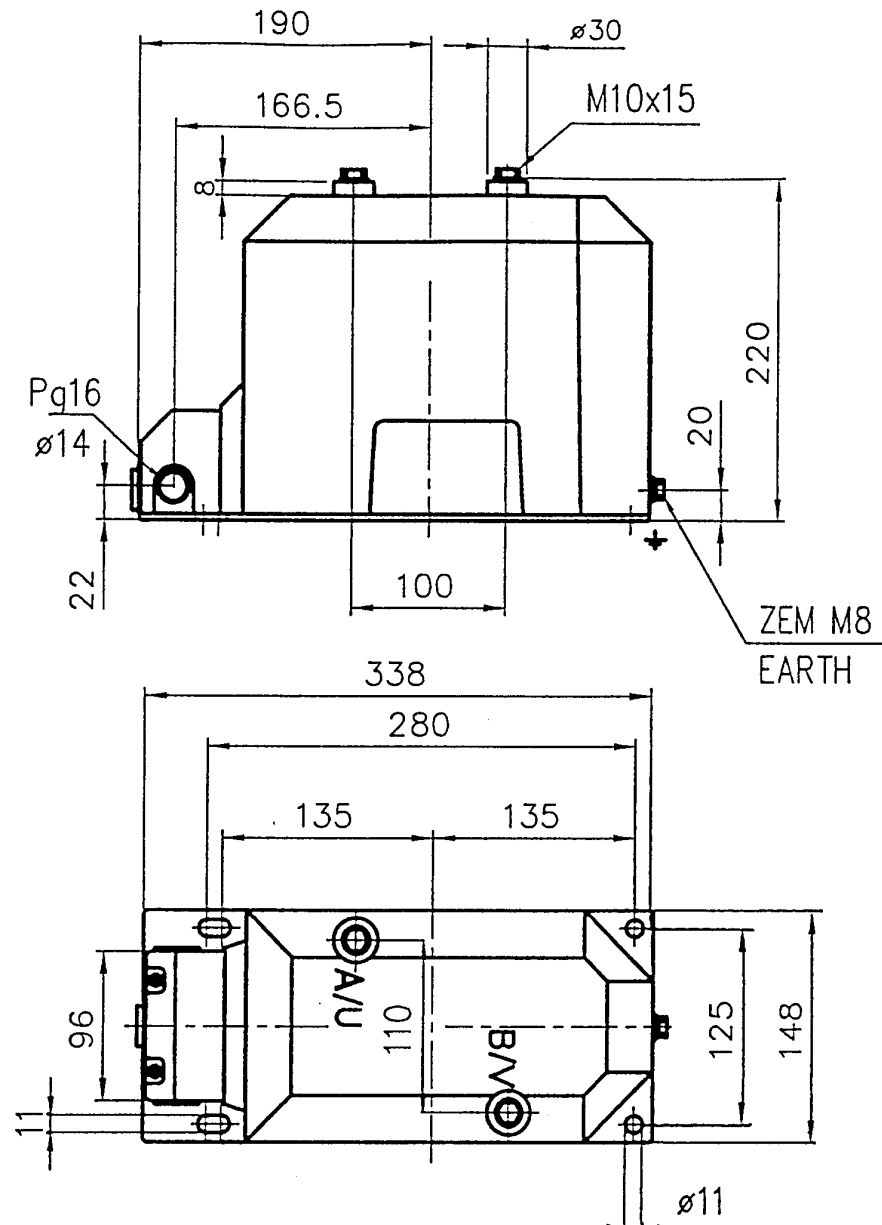
Rated frequency ... 50 Hz; 60 Hz

Design for two primary voltages is also possible, based on a consultancy to be conducted with the manufacturer (change over secondary side).

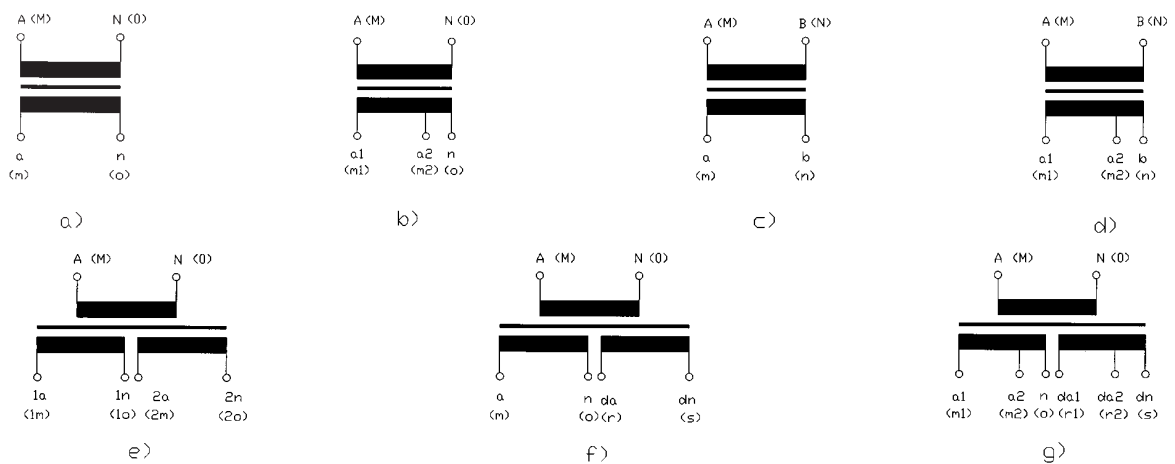
The transformers are manufactured and delivered conformably to the requirements and recommendations

of the following standards and regulations: IEC, VDE, ANSI, BS, GOST and CSN.

Dimensions



Marking of the voltage transformer outlets



- a) Single-pole insulated transformer
- b) Single-pole insulated transformer with a tap
- c) Double-pole insulated transformer
- d) Double-pole insulated transformer with a tap
- e) Single-pole insulated transformer with two secondary windings
- f) Single-pole insulated transformer with two secondary windings, with one of which being the auxiliary (residual) winding
- g) Single-pole insulated transformer with two secondary, tapped windings, with one which being the auxiliary (residual) winding.

Standartized transformers

Primary voltage, V	Secondary winding		
	voltage, V	accuracy	burden, VA
3000	100	0,2	10,15,25
3000	100	0,5	15,25,50
3000	100	1	50,75,100
3300	110	0,2	10,15,25
3300	110	0,5	15,25,50
3300	110	1	50,75,100

6000	100	0,5	15,25,50
6000	100	0,5	15,25,50
6000	100	1	50,75,100
6600	110	0,2	10,15,25
6600	110	0,5	15,25,50
6600	110	1	50,75,100

10000	100	0,2	10,15,25
10000	110	0,2	10,15,25
10000	100	0,5	15,25,50
10000	110	0,5	15,25,50
10000	100	1	50,75,100
10000	110	1	50,75,100

11000	100	0,2	10,15,25
11000	110	0,2	10,15,25
11000	100	0,5	15,25,50
11000	110	0,5	15,25,50
11000	100	1	50,75,100
11000	110	1	50,75,100

Customer		Date	
Address		Delivery required	
Country		Tel.	Fax.
Contact person		E-mail	

Voltage transformers			
Project ref.:		Date	
		Inquiry No.:	
		Offer No.:	
Um:	kV	Insulation level (BIL):	kV
Un:	kV		kV
freq.:	Hz		kV
Standard No. (IEC):		Routine test certificates	
		Additional name plate	
Indoor		Remarks:	
Outdoor			
Pos.:		No.:	
Ratio:		Additional (residual) winding	<input type="radio"/> Yes <input type="radio"/> NO
Burden:	VA	Voltage:	V
Class:		Class:	6P
		Burden:	VA
With fuse		Without fuse	
Supplier's remarks		Single pole	
Type		Double pole	
Unit price		Comment	
Total price			
Pos.:		No.:	
Ratio:		Additional (residual) winding	<input type="radio"/> Yes <input type="radio"/> NO
Burden:	VA	Voltage:	V
Class:		Class:	6P
		Burden:	VA
With fuse		Without fuse	
Supplier's remarks		Single pole	
Type		Double pole	
Unit price		Comment	
Total price			



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