

VKPE-36

VOLTAGE TRANSFORMER



DESCRIPTION

HV Voltage transformer for measuring and/or protecting up to 36 kV, used for measurement instruments, meters, relays and other similar devices. Designed to be used indoors.

The primary winding is protected by insulation type E epoxy resin (in accordance with CEI 60085 standard); the core and secondary(ies) are outside the bushing. Because of the way it is built, there is no risk of fragments flying.

The transformer VKPE-36 is a phase-to-earth transformer; that is, a single-phase transformer, used to keep one of the ends of the primary winding directly connected to earth.

The VKPE transformers family has been designed taking into account the Environment as no oils or fluorinated gases are used as insulating material.

It is mechanically resistant and damp-proof, oil-proof, dust-proof and resists most chemical products.

It can be installed almost in any position.

MECHANICAL CHARACTERISTICS

- Tightening torque for the nuts and bolts:

M6 Terminals:	2.5 N.m	Earth terminal M8:	6 N.m
M12 Terminals:	20 N.m	Base fixings M10:	38 N.m
- Brass primary terminals and steel earth terminal.
- Sealable secondary terminal cover made of transparent polycarbonate.
- Iron base plate with a 5 mm-thick finish that prevents corrosion.
- Approx. device weight: 35 kg

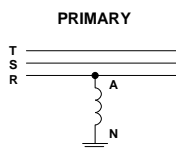
CLASS AND BURDEN TABLE (*)

CLASS	VOLTAGE FACTOR (VA) (*)		HEATING POWER (VA) 20-30°C room temperature
	1.2 Upn continuous		
	1.5 Upn for 30 sec	1.9 Upn for 8 hours	
0.2	75	75	800
0.5	400	200	
1	500	250	
3P	800	500	
6P	1100	1000	

(*) Maximum power valid for one secondary (orientative values).

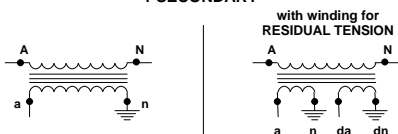
CONNECTIONS

PRIMARY CONNECTIONS

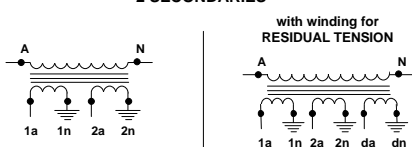


SECONDARY CONNECTIONS

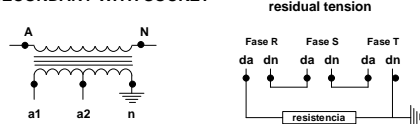
1 SECONDARY



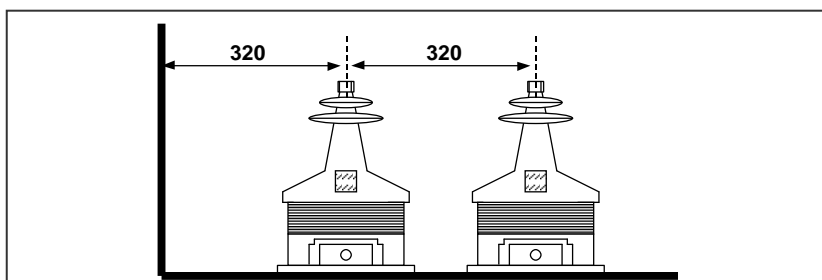
2 SECONDARIES



A SECONDARY WITH SOCKET



INSTALLATION DISTANCES (mm)



ELECTRICAL CHARACTERISTICS

		IEC 61869-1 and -3
Highest voltage for the material (U_m) (kV)		36
Maximum service voltage (kV)		36
Power frequency withstand voltage (kV)	Primary	70
	Secondary	3
Induced voltage, 200 Hz 30 sec (kV)		70
Lightning impulse withstand voltage (peak value) (kV)		170
Secondary assigned voltage (U_{sn}) (kV)		$100:\sqrt{3}$ ó $110:\sqrt{3}$ ó $110:3$
Assigned frequency (f) (Hz)		50/60
Admissible surge continuously (U_n) (kV)		$1'2 U_{pn}$

DIMENSIONS (mm)

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