



## DESCRIPTION

Voltage transformer to measure and/or protect high voltage up to 24 kV, used for measurement instruments, meters, relays and similar devices. Indoor mounting.

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-24 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 range of VKPE transformers has been designed taking into account the environment – no fluoridated oil or gas have been used as insulation material.

It has great mechanical resistance and is: 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
M10 Terminals:	11 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: 25 kg

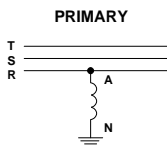
## CLASS AND BURDEN TABLE (\*)

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	50	50	800
0.5	150	125	
1	300	250	
3P	700	600	
6P	1100	1000	

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

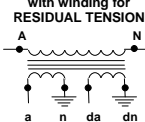
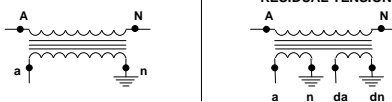
## CONNECTIONS

### PRIMARY CONNECTIONS

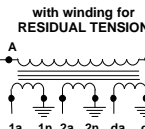
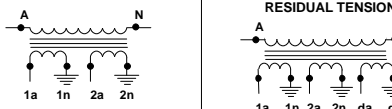


### SECONDARY CONNECTIONS

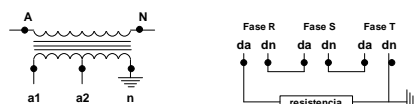
#### 1 SECONDARY



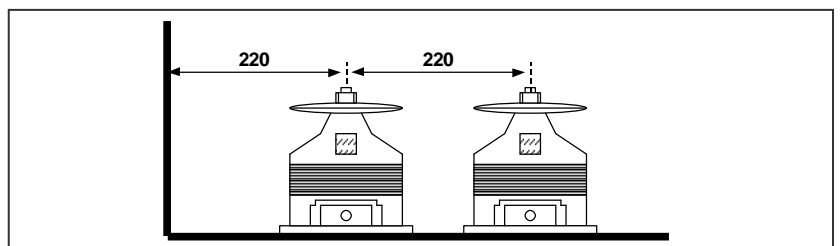
#### 2 SECONDARIES



#### A SECONDARY WITH SOCKET



## INSTALLATION DISTANCES (mm)



## ELECTRICAL CHARACTERISTICS

		IEC-61869-1 and -3
Highest voltage for the material ( $U_m$ ) (kV)		24
Maximum service voltage (kV)		24
Power frequency withstand voltage (kV)	Primary	28
	Secondary	3
Induced voltage, 200 Hz 30 sec (kV)		50
Lightning impulse withstand voltage (peak value) (kV)		125
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)

