AEC-24P

CURRENT TRANSFORMER

DESCRIPTION

Current transformer to measure and/or protect high voltage up to 24 kV used for measurement instruments, meters, relays and other similar devices. Designed to be used indoors.

The active part is protected by brown insulation type E epoxy resin (in accordance with CEI 60085 standard).

It has great mechanical resistance and it is completely damp-, oil-, and dust-proof, and resists most chemical products.

It can be installed in any position.

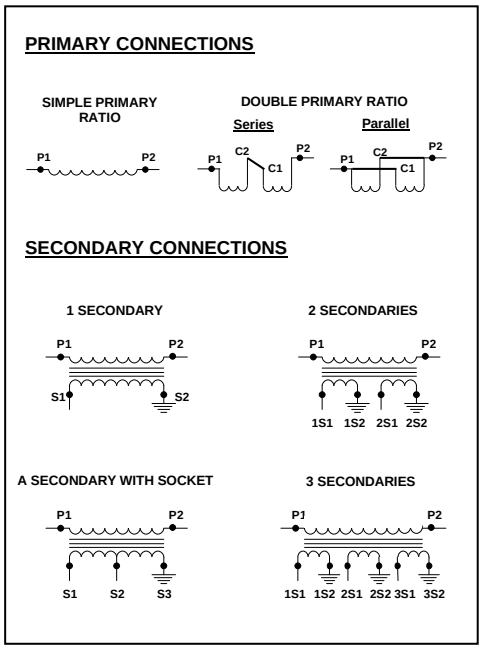
MECHANICAL CHARACTERISTICS

- Tightening torque for the nuts and bolts:

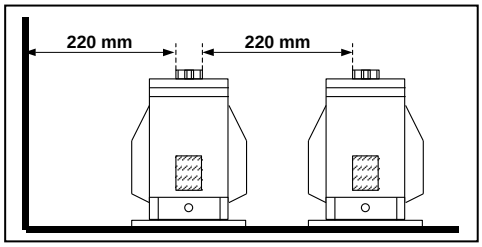
M6 Terminals:	2.5 N.m	Earth terminal M8:	6 N.m
M12 Terminals:	20 N.m	Base fixings M10:	38 N.m

- Brass primary terminals and steel earth terminal.
- Sealable transparent polycarbonate secondary terminal cover.
- Iron base plate with passivated zinc coating, 5 mm thick.
- Approximate weight of device: 25 kg

CONNECTIONS



INSTALATION DISTANCE



CLASS AND BURDEN TABLE

		MAXIMUM RATED BURDEN (VA) *			
		Class	80 In	100 In	150 In	200 In
1 secondary	Measurement	0.2	> 100	> 100	> 100	> 100
		0.2S	> 100	> 100	> 100	> 100
		0.5	> 100	> 100	> 100	> 100
		0.5S	> 100	> 100	> 100	> 100
		1	> 100	> 100	> 100	> 100
	Protection	5P5	> 100	> 100	> 100	> 100
		5P10	> 100	> 100	> 100	> 100
		5P20	50	50	30	20
2 secondaries	Measurement and Protection	0.2	70	50	30	20
		5P10	70	60	50	40
		0.2	70	20	20	40
		5P20	30	30	20	15
		0.2S	70	50	30	20
		5P10	70	60	50	40
		0.2S	70	20	20	40
		5P20	30	30	20	15
		0.5	100	80	30	50
		5P10	100	80	50	30
		0.5	80	70	20	50
		5P20	40	40	20	15
		0.5S	100	80	30	50
		5P10	100	80	50	30
		0.5S	80	70	20	50
		5P20	40	40	20	15
		Single primary ratio Double primary ratio	Up to 1200 A Up to 2x600 A		In < 600 A In<2x300 A	In < 300 A In<2x150 A

* Orientative values.

Upon request, other classes and ratios different from those in the table can be budgeted.

Laboratorio Electrotécnico

ELECTRICAL CHARACTERISTICS

		UNE-EN 61869-1 and -2
Highest voltage for the material (U_m) (kV)		24
Maximum service voltage (kV)		24
Power frequency withstand voltage (kV)	Primary	50
	Secondary	3
Lightning impulse withstand voltage (peak value)		125
Primary assigned intensity (A)	Single ratio (I_{pn})	< 1200
	Double ratio (I_{pn})	< 600 - 1200
Secondary assigned intensity (I_{sn}) (A)		1 ó 5
Assigned frequency (f) (Hz)		50/60
Number of secondary winding		1, 2 ó 3
Short-circuit thermal current (I_{th}) (kA)		≤ 40
Assigned dynamic current (I_{dyn})		2.5 I_{th}

DIMENSIONS (mm)

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