

# AEB-12/24

# CURRENT TRANSFORMER



## DESCRIPTION

Current transformer to measure and/or protect high voltage up to 12/24 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.

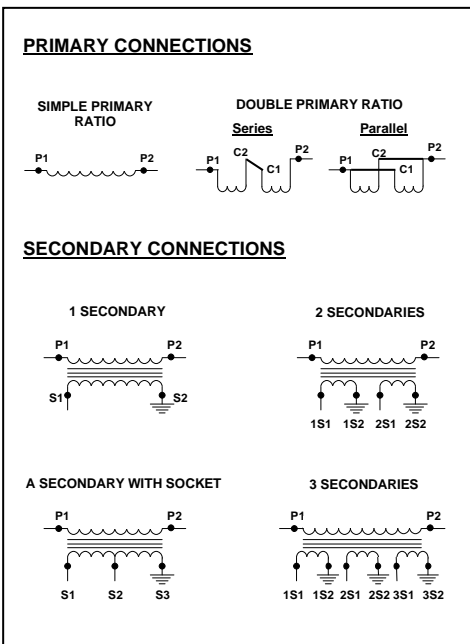
It can be installed in any position.

## MECHANICAL CHARACTERISTICS

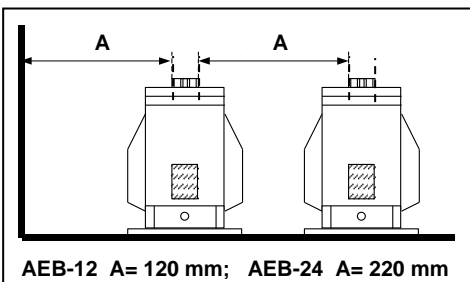
- Tightening torque for the nuts and bolts:
 

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: 16 kg

## CONNECTIONS



## INSTALLATION DISTANCE



## CLASS AND BURDEN TABLE

		MAXIMUM RATED BURDEN (VA) *				
		Class	80 In	100 In	150 In	200 In
1 secondary	Measurement	0.2	75	50	12.5	5
		0.2S	75	50	12.5	5
		0.5	> 100	> 100	45	15
	Protection	0.5S	> 100	> 100	45	15
		1	> 100	> 100	80	45
		5P5	80	60	40	25
2 secondaries	Measurement and Protection	5P10	40	30	20	12.5
		5P20	15	12.5	10	5
		0.2	30	20	5	-
		5P10	15	15	5	-
		0.2	30	20	5	-
		5P20	7.5	5	5	-
		0.2S	30	20	5	-
		5P10	15	15	5	-
		0.2S	30	20	5	-
	5P20	7.5	5	5	-	
	0.5	50	30	15	-	
	5P10	15	15	5	-	
	0.5	50	30	15	-	
	5P20	7.5	5	5	-	
	0.5S	50	30	15	-	
	5P10	15	15	5	-	
	0.5S	50	30	15	-	
	5P20	7.5	5	5	-	
		Single primary ratio	Up to 1200 A	In < 600 A	In < 300 A	
		Double primary ratio	Up to 2x600 A	In < 2x300 A	In < 2x150 A	

\* Orientative values

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

## ELECTRICAL CHARACTERISTICS

		IEC 61869-1 and -2	
		AEB-12	AEB-24
Highest voltage for the material ( $U_m$ ) (kV)		12	24
Maximum service voltage (kV)		12	24
Power frequency withstand voltage (kV)	Primary	28	50
	Secondary	3	3
Lightning impulse withstand voltage (peak value)		75	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 ó 2	
Short-circuit thermal current ( $I_{th}$ ) (kA)		≤ 40	
Assigned dynamic current ( $I_{dyn}$ )		2.5 $I_{th}$	

## DIMENSIONS (mm)

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