CABLE PRIMARY CURRENT TRANSFORMERS P150 - PO150 SERIES





Technical data

	Highest voltage for equipment	0.72 kV				
	Power-frequency withstand voltage	3 kV				
	Primary current Ipn	50 to 3000 A				
	Secondary current Isn	5 or 1 A				
	Frequency	50 or 60 Hz				
	Rated output	0.1 to 60 VA				
	Accuracy class	0.5 - 1 - 3				
	Safety factor	5 to 30				
	Continuous thermal current	1.2 lpn				
	Short-time thermal current Ith	80 lpn.1s				
	Dynamic current Idyn	2.5 lth				
	Insulation class	E				
	Ambient temperature	-25 °C to +40 °C				
-	Case	Thermoplastic UL94 V0				
	Standards	IEC - IEEE - CSA - AS - BS				

Other characteristics on request

Highest voltage for equipment	Up to 2400 V for P150 and P150-110				
Power-frequency withstand voltage	Up to 11 kV for P150 and P150-110				
Secondary current Isn	0.005 to 10 A				
Frequency	1 to 10000 Hz				
Accuracy class	0.1 - 0.2 - 0.2S - 0.5S - 5P - 10P - cIPX				
Accuracy limit factor	5 - 10 - 15 - 20 - 30				
Ambient temperature	-40 °C to +70 °C				

Accessories / Options Sealable terminal cover (IP20) To protect secondary terminals Secondary shunt bracket To install split-core CTs Voltage limiter 90-200-450-600-1500V - See datasheet M2MA index 17 Additional clamping rods Hi-perfs on split-core PO150 or PO150-110

Primary current from 50 to 3000A

- Inner diameter from 110 to 150 mm
- Indoor
- Measurement and/or protection
- Solid core or Split-Core

Moulded non-flamable case current transformers for the measurement of AC currents.

This range offers excellent accuracy specifications regardless of the position of the primary conductor in the window.

The split-core version is particularly suitable for retrofits and maintenance of existing facilities.

An optional plastic cover prevents accidental contact with live parts. 3

CABLE PRIMARY CURRENT TRANSFORMERS - P150 - P0150 SERIES

Selection table (others on request)

lp A	Туре	Burden max in VA					
		cl1	cl0.5	cl0.2	cl10P10	cl5P20	
50	P150 P150-110 PO150 PO150-110	- - -	- - -	- - -	0.1 0.25 0.1 0.25	- - -	
100	P150 P150-110 PO150 PO150-110	1 1.25 1 0.5	0.5 0.5 -	- - -	0.5 1 0.5 1	- - -	
150	P150 P150-110 PO150 PO150-110	2.5 5 2.5 2.5	1.25 2.5 -	- - -	0.5 1.5 0.5 1.5	- - -	
250	P150	5	2.5	1	2.5	0.5	
	P150-110	10	5	2.5	2.5	0.5	
	PO150	5	1.25	1	2.5	0.5	
	PO150-110	10	5	-	2.5	0.5	
500	P150	15	15	5	5	2.5	
	P150-110	20	20	10	10	5	
	PO150	15	5	2.5	5	2.5	
	PO150-110	20	20	2.5	10	5	
1000	P150	30	30	15	7.5	5	
	P150-110	30	30	30	15	7.5	
	PO150	30	30	5	7.5	5	
	PO150-110	30	30	15	15	7.5	
2000	P150	30	30	30	15	10	
	P150-110	30	30	30	30	15	
	PO150	30	30	10	15	10	
	PO150-110	30	30	15	30	15	
3000	P150	30	30	30	25	15	
	P150-110	30	30	30	30	15	
	PO150	30	30	15	25	15	
	PO150-110	30	30	15	30	5	

Dimensions - overall

Model	Туре	Α	В	С	D	F	G	Ρ	Ν
		mm	mm	mm	тт	тт	тт	тт	mm
P150	Solid core	230	270	115	43	30	150	-	-
P150-110	Solid core	230	270	115	43	30	110	-	-
PO150	Split core	225	270	112	43	30	150	-	-
PO150-110	Split core	225	270	112	43	30	110	-	-
PO150 HP	Split core	225	270	112	43	30	150	18	60
PO150-110 HP	Split core	225	270	112	43	30	110	18	60

Dimensions - fixings

Model	Е	1	J	κ	L	М
	тт	тт	mm	тт	тт	тт
P150	188	8	6 - 8	20	180	28
P150-110	188	8	6 - 8	20	180	28
PO150	188	8	6 - 8	20	180	28
PO150-110	188	8	6 - 8	20	180	28
PO150 HP	-	-	6 - 8	20	180	-
PO150-110 HP	-	-	6 - 8	20	180	-

Installation

- Weight (indicative) :
 - P150 and PO150: 3kg

- P150-110 and PO150-110 : 4kg

- Maximum torque:
 - secondary terminals M5 : 2.5 N.m
 - split-core tightening screws M5 : 2.5 N.m
 - tightening rod nuts M4: 3.5 N.m
- Before closing the split-core CT, make sure of the perfect cleanliness of the contact surfaces. It is advisable to wipe the surface of the magnetic circuit with a cloth soaked in vaseline oil.
- In the case of clamping rods, tighten the 4 off M4 threaded rods gradually, and diagonally, in order to have an even clamping.
- Warning ! Never install a split-core CT on a live primary conductor. Unless you use the terminals to short circuit the secondary (optional)
- Caution! Never leave the secondary circuit open while the primary conductor is energized. High voltages might surge at secondary terminals, which might be hazardous to people and destroy the current transformer. Unless you use a voltage limiter device (see datasheet M2MA index 17)

P150 - P150-110



PO150 - PO150-110





PO150 HP - PO150-110 HP (Hi Perfs with clamping rods)

