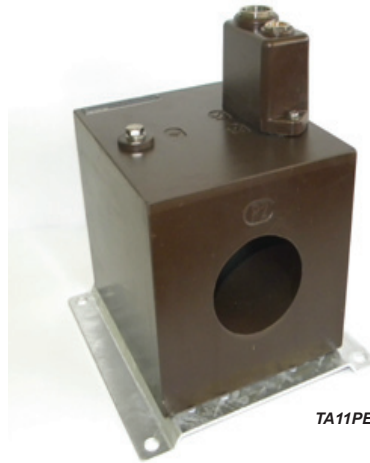


CURRENT TRANSFORMER TA11PE80-1 HV-MV SUBSTATIONS GROUND FAULT PROTECTION RELAYS FEEDING



TA11PE80-1

- Outdoor use
- Dry epoxy resin insulation
- With ground terminal
- Vertical or horizontal mounting

The current transformer TA11PE80-1 is a window type with inner diameter of 80mm.

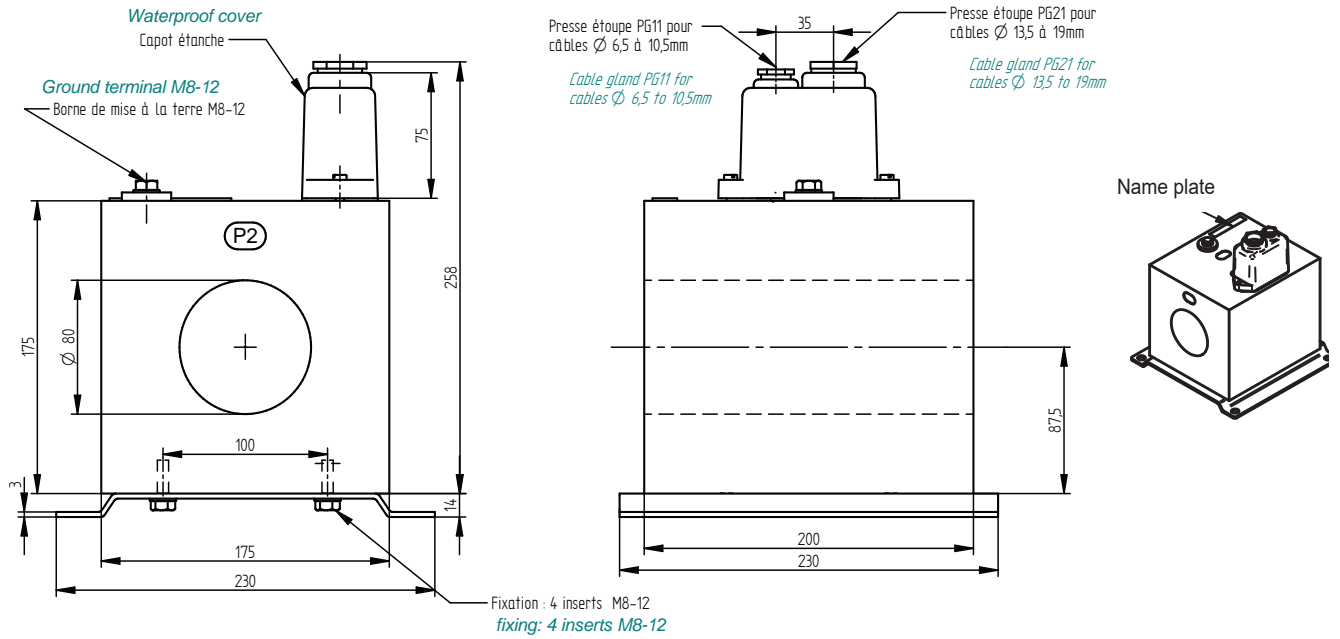
Intended for detecting ground fault current in HV/MV substation.

This transformer is cast in epoxy resin. It is equipped with IP54 secondary terminal cover with 2 cable glands. An M8 ground terminal is available. This transformer does not require any specific maintenance. The transformer is mounted with or without its fixing plate in any position.

Technical data

Highest voltage for equipment	0.72 kV
Power-frequency withstand voltage	3 kV
Primary current I _{pn}	250 A
Secondary current I _{sn}	5 A
Frequency	50 Hz
Rated output	30 VA
Accuracy class	10 P
Accuracy limit factor	5
Continuous thermal current	1.2 I _{pn}
Short-time thermal current I _{th}	12.5 kA/1 s
Dynamic current I _{dyn}	2.5 I _{th}
Insulation class	E
Ambient temperature	- 25°C to + 40°C
Protection index	IP54
Sealable terminal cover	Standard
Fixing plate	Standard
Standards	IEC - IEEE - CSA - AS - BS

CURRENT TRANSFORMER TA11PE80-1 HV- MV SUBSTATIONS GROUND FAULT PROTECTION RELAYS FEEDING



Installation :

- No special precautions are required for handling the transformer, beyond not grabbing by the cover
- Transformer is best stored indoor, inside its original packing. Remove from packing in case of outdoor storage.
- CT can be fixed without fixing plate using the 4 off M8 inserts spread 120mm apart. Grease up each insert before tightening.
- When using fixing plate, use 4 off 12mm diameter holes spread 205mm apart.
- When installing the IP54 cover, tighten the 2 fixing terminals gradually and alternately to evenly crush the gasket and ensure a good sealing.
- Before energizing, check that the 2 secondary terminals are connected to the operating circuit. Never open or leave the secondary open while that the transformer is energized. High voltages may appear at the terminals of the secondary circuit. They can be dangerous for people and lead to the destruction of the transformer.
- This transformer does not require any specific maintenance.
- Tightening torque of secondary terminals M6: 3 Nm
- Tightening torque of M8 fixing inserts: 7 Nm
- Tightening torque of grounding terminal M8: 7 Nm
- Weight: +/- 15 kg