

PCT LV Current Transformers

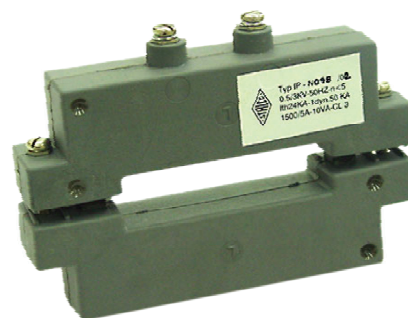


STALCO S.A.

ELECTRICAL EQUIPMENT INDUSTRY



Low Voltage Transformer



APPLICATION

The low voltage current transformers are intended for supplying measuring instruments and protective circuits of electrical power devices with maximum operating voltage 0.50KV and frequency 50Hz (or 60Hz after prior arrangement with the manufacturer).

The transformers are manufactured for secondary current 5A. The range of primary currents depends on the transformer and is in the limits from 200A up to 1500A.

OPERATING CONDITIONS

The transformers are suitable for use at altitudes up to 1000 meters above sea level.

The indoor transformers operate satisfactorily within their ratings provided that the temperature of the cooling air (ambient temperature) does not exceed 40°C.

The outdoor type transformers also operate satisfactorily over a temperature range of -10°C to +50°C under freezing or snowing conditions.

DESIGN

The low voltage current transformers are single-phase, low power, operating in quasi short-circuit conditions and transforming the current flowing through the primary circuit to the current in the secondary circuit with the observance of the requirements relating to the accuracy of the transformation specified in standards. The windings of the current transformers are enclosed in the housing made of slow-burning material.

| Type | Class | I _{pn} | I _{sn} | FS safety coefficient Burden | | Rated Oper. current | | Rated voltage | Rated test voltage U _p | Weight (approx) |
|------|-------|-----------------|-----------------|------------------------------|-------|---------------------|--------------------|---------------|-----------------------------------|-----------------|
| | | | | 10 | 15 | I _{th} | I _{dyn} | | | |
| | | A | A | VA | | KA | KA | KV | KV | Kg |
| PCT | 0,5 S | 200 | 5 | 5; 10 | | 12 | 2,5I _{th} | 0,5 | 3 | 0,8 |
| | | 400 | | | | | | | | |
| | 0,5 G | 200 | 5 | 5; 10 | 5; 10 | | | | | |
| | | 400 | | | | | | | | |
| | 0,5 | 200 | 5 | 5; 10 | 5; 10 | | | | | |
| | | 400 | | | | | | | | |

* It is possible to order transformers of other parameters after prior arrangement with the manufacturer.

PCT LV Current Transformers

PACKING, TRANSPORT, STORAGE

Current transformers transported on significant distances should be packed in wooden crates, protecting the devices from damage. Transformers transported on small distances can be transported by track without packing, but should be protected from damage by separating them from other products. During loading and unloading, crates with transformers cannot be thrown or turned over. Wooden crates should be appropriately marked, in accordance with requirements concerning transport of products susceptible to mechanical damage. Transformers should be stored in dry and clean locations at temperatures close to 20°C.

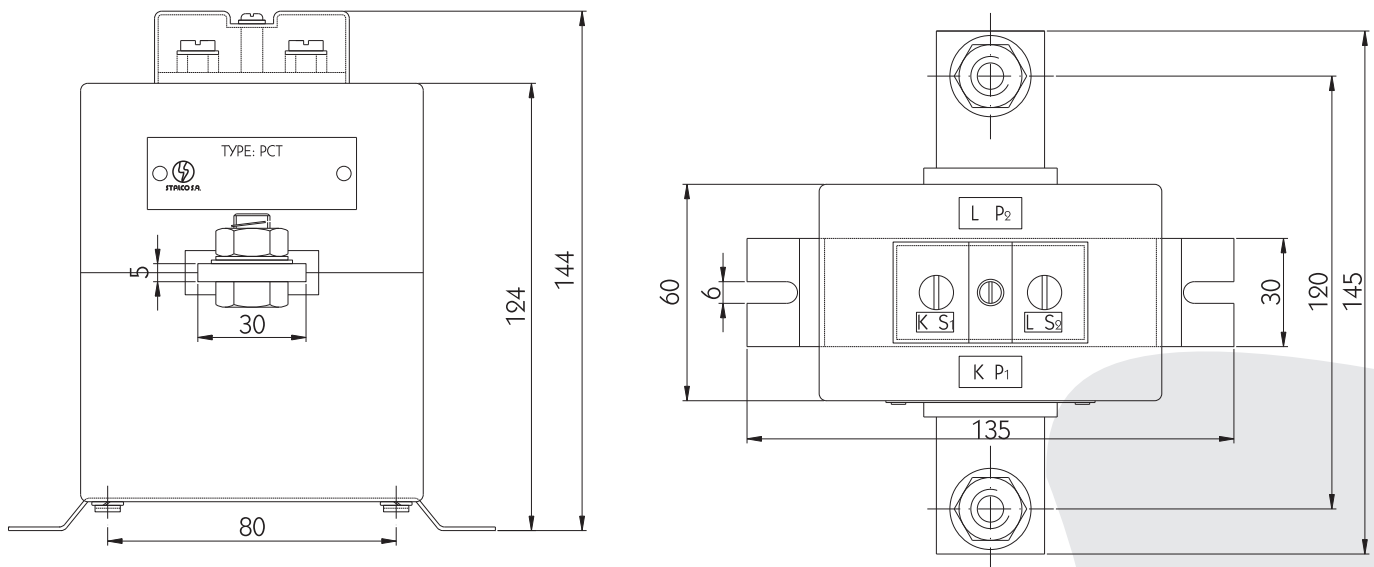
COMPLIANCE WITH STANDARDS

- PN-EN 60044-1
- IEC 60044-1
- DIN-EN 60044-1

PROCEEDING WITH USED PRODUCT

Transformers, due to applied raw materials and production technology, are not a hazard for the environment. The used or damaged product should be disassembled, segregating parts of steel, non-ferrous metals, plastic and rubber. Segregated parts should be recycled or utilized at appropriate plants.

Dimensional Drawing



STALCO S.A.

ELECTRICAL EQUIPMENT INDUSTRY

FACTORY: A' INDUSTRIAL AREA – VOLOS
TEL.: +30 24210 95102
FAX: +30 24210 95403
e-mail: stalco@vol.forthnet.gr

ATHENS OFFICE: 1, IPPOKRATOUS STR
151 23 MAROUSSI
TEL.: +30 210 6824538, +30 210 6824661
FAX: +30 210 6826256
e-mail: office@stalco.gr