

NEW!

COMPACT 5 A_{rms} CT WITH INTEGRATED PRIMARY CONDUCTOR FOR 120 °C



This new 5 A_{rms} CT with part no. **T60404-S4629-X541** allows easy PCB integration, without the hassle to select, purchase and install a suitable primary conductor. The integrated primary wire has 1 mm diameter and can carry up to 6 A_{rms}. The CT is HiPot tested with 3,5 kV_{rms} for 5 seconds against the secondary output pins. With a footprint of 18 x 14 mm² and a height of 18 mm, this fully encapsulated compact current transformer is suitable for automatic pick and place. This CT can tolerate up to 120 °C ambient, for instance in compact meters exposed to high temperature.

Key features:

- 1 : 1500 turns ratio
- Small footprint for economic PCB mounting

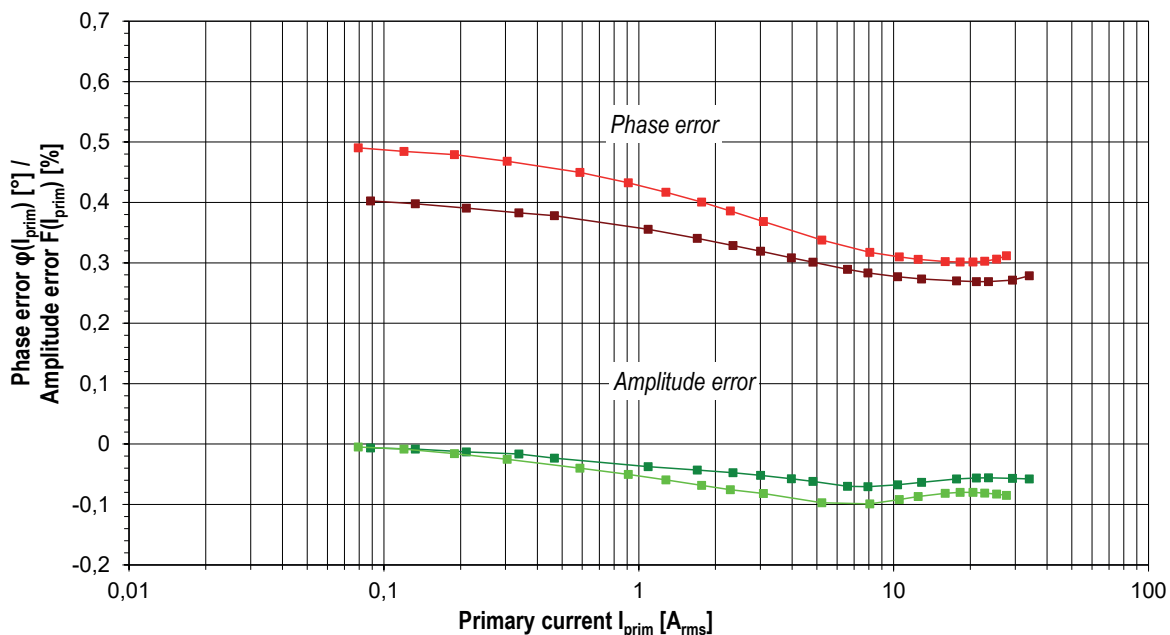
- Low phase error 0,5...0,8 ° with external 75 Ohm burden resistor (0,3 V_{rms} output), between 50 mA and 6 A, easy to compensate electronically for better accuracy
- All parts tested for linearity and HiPot 3,5 kV_{rms}
- -40 °C ... 120 °C ambient temperature range

Such meters are installed at an increasing number of electricity grid access points, e.g. at commercial/industrial PV power plants, or at EV charging stations.

For three-phase applications, there is a compact triple CT in one package with integrated primary conductors, T60404-E4629-X503, available.

Calculated amplitude and phase errors of a CT

T60404-S4629-X541: 6 A (no DC Tolerance)



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