

NEW!

32 A DC-IMMUNE AC CTs WITH INTEGRATED PRIMARY CONDUCTOR



For EV chargers with built-in smart meter functions, VAC offers two new 32 A_{rms} CT nom. / 38.5 A_{rms} max.:

T60404-S4624-X505, standard size, 31 x 31.6 mm² footprint, 31.5 mm height, high accuracy

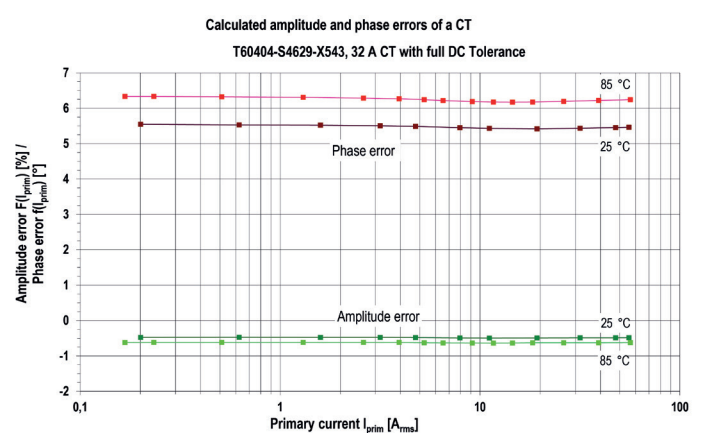
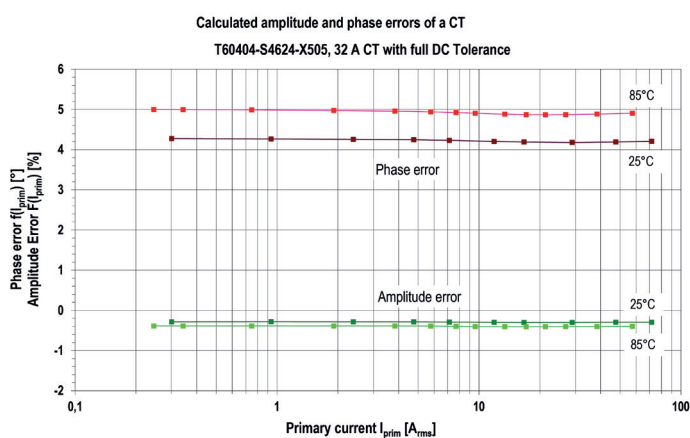
T60404-S4629-X543, compact, 28.1 x 24.3 mm² footprint, 29.8 mm height

The built-in primary conductor (copper, tin-plated) minimizes the PCB footprint, and eliminates sourcing and separate assembly. The compact 4629-X543 has less than 32 g of weight, and is suitable for automatic assembly with a flat top surface for vacuum suction pick & place process. The 4624-X505 has a lower phase error, and a higher linearity over the primary current range.

Key features:

- Linear response over current range, for precise measurement and easy calibration
- 1 : 2500 turns ratio
- 2.8 mm diameter built-in primary conductor
- Small footprint for economic PCB mounting and only 30 mm high (4629-X543)
- -40 °C ... 85 °C ambient temperature range
- For use with external burden resistor

With proper error compensation these CTs are suitable for meters according to IEC 62053-21. 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.



ADVANCED MAGNETIC SOLUTIONS

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Published by VACUUMSCHMELZE GmbH & Co. KG, Hanau, May 2024
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