



FCTS FLEXIBLE SPLIT CT

Flexible split core current transformer



Flexible split core current transformers based on the Rogowsky principle for the measurement of currents from 250A to 4000A. Can be used exclusively with the Electrex Femto D4 F RS485, Exa 96 F RS485, Exa F Net , Kilo F and Giga F QF Box series. On request can be calibrated with the relative measuring device in order to obtain further accuracy (a K factor is provided to be inserted on the measuring device).

The ideal solution for an easy and time saving installation of the Electrex instruments as can be mounted rapidly on the AC load conductors and avoid to power off the circuits. Can also be used when the conductors are large in size or the available spaces are limited.

The features listed in this document make it an indispensable and valuable accessory for the System Integrator and the electrical installer in order to assure a fast and efficient intervention on the field.

- For use with Femto D4 F RS485, Exa 96 F RS485, Exa F Net , Kilo F and Giga F QF Box Electrex series.
- Product range for full scale currents of 250A, 500A, 1.000A, 2.000A and 4.000A
- Do not get damaged even with the secondary open and in case of overload
- Can also be used when the conductors are large in size or the available spaces are limited

Technical Specifications

Measuring range from 5A AC to 4000A AC
Fundamental frequency from 50Hz to 60Hz
Accuracy..... +/-1%
Sensibility to the mounting position +/-3%
Output cable 2 wires + shield
Operating temperature:.....from - 20 C° to + 85 C°
Protection degree: IP54
Clamping cable material
..... self-extinguishing UNE 21031 90 C°
Material of clamping connectors PA V-0
Overvoltage category.....1000V CAT III / 600V CAT IV
Reference standards EN61010-1, EN61010-2-32

FCTS 200-2000 Suggested for currents up to 200A but the other full scale ranges from 250A, 500A, 1,000A, and 4,000A can also be used. Clamping diameter: 200mm. Clamping cable: length 628mm, diameter 8mm. Connection cable: length about 2 meters, diameter 5mm.

FCTS 280-4000 Suggested for currents up to 4000A but the other full scale ranges from 250A, 500A, 1,000A and 2,000A can also be used. Clamping diameter: 280mm. Clamping cable: length 879mm, diameter 8mm. Connection cable: length about 2 meters, diameter 5mm..

Dimensions

FCTS 070-500 Suggested for currents up to 500A but the other full scale ranges from 250A, 1,000A, 2,000A and 4,000A can also be used. Clamping diameter: 70mm. Clamping cable: length 219mm, diameter 8mm. Connection cable: length about 2 meters, diameter 5mm..

FCTS 120-1000 Suggested for currents up to 1000A but the other full scale ranges from 250A, 500A, 2,000A and 4,000A can also be used. Clamping diameter: 120mm. Clamping cable: length 367mm, diameter 8mm. Connection cable: length about 2 meters, diameter 5mm.

How to order

Type	Code
FCTS 070-500 FLEXIBLE SPLIT CORE CURRENT TRANSFORMER	PFCF021
FCTS 120-1000 FLEXIBLE SPLIT CORE CURRENT TRANSFORMER	PFCF022
FCTS 200-2000 FLEXIBLE SPLIT CORE CURRENT TRANSFORMER	PFCF023
FCTS 280-4000 FLEXIBLE SPLIT CORE CURRENT TRANSFORMER	PFCF024

Subject to modification without prior notice
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Distributor