



STP-24 300/1A

STP-24 300/1A, Split core current transformer

Code: M733280010000

- > Inner diameter (mm): 24
- > System: Single-phase
- > Class 1 Power (VA): 1
- > Measurement Range (A): 300/1
- > Input current: 300 A
- > Power (VA): 1
- > Transformer type: Split core

Description

Open-core current transformers with compact dimensions for easy installation. This type of transformer is very easy to install and uninstall on compact panels where the reduced space makes it difficult to take current measurements. In addition, their open-core design means that they can take measurements without having to interrupt the electric supply. The primary current measurement range is from 100 A to 300 A using different secondary outputs (.../1A, .../5A or .../250mA) with a maximum admissible cable diameter of 24 mm.

Application

Quick and easy assembly are a fundamental aspect when taking temporary measurements in an electrical installation. **STP-24** transformers can take energy measurements together with **CIRCUTOR**'s power analyzers or energy meters (**CVM-MINI**, **CVM-NET**, **CVM-C**, **CVM-B**, **EDMk**, etc.) without having to interrupt the electric supply. The open-core design of the transformer makes it very easy to install and allows installers to take electrical measurements in less time.



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Specifications

Electrical characteristics

Safety factor (SF)	2.5
Power	1 VA (Class 1)
Insulation voltage between terminals S1-S2	3 kV 1 min

Mechanical characteristics

Size (mm) width x height x depth	66 x 76 x 55 (mm)
Envelope	Plastic V0 self-extinguishing (UNE 21031)
Weight (kg)	0,272

Environmental characteristics

Thermal Class	class B (+130 °C)
Relative humidity (without condensation)	15 ... 85%
Storage temperature	-40 ... +85 °C
Working temperature	-20 ... +55 °C

Specific technical characteristics of current sensors

Inner diameter Ø (mm)	24
Operating voltage	0,72 kV~ máx.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	300 A
Allowable overload	1,2 x I _n
Dynamic current (I _{dyn})	2,5 I _{th}
Thermal short-circuit current (I _{th})	60 I _n
Minimum current measurement	0,01 x I _n
Transformation ratio	... / 1 A

Standards

Standards	IEC 60044-1, IEC 61010-1
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Measurement accuracy

Accuracy	Clase 1/3
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Dimensions

