



STP-24 300/5A

STP-24 300/5A, Split core current transformer

Code: M73328.

- > Usefull diam.(mm): 24
- > System: Single-phase
- > Class 3 Power (VA): 1
- > Measurement Range (A): 300/5
- > Input current: 300 A
- > Power (VA): 1

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 **CIRCUITOR**'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 3)
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)	0,17

Environmental characteristics

Thermal Class	class B (+130 °C)
Relative humidity (without condensation)	15 ... 85%
Storage temperature	-40 ... +85 °C
Operating 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	... / 5 A

Standards

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

Accuracy	Clase 1/3
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STP

Current transformers, split core

CODE	TYPE	Measurement Range (A)	Class 3 Power (VA)	Usefull diam.(mm)	Class 1 Power (VA)
M73323.	STP-24 100/5A	100/5	1	24	
M733230010000	STP-24 100/1A	100/1	1	24	
M7332300G0000	STP-24 100/250 mA	100/250 mA	0,1	24	
M73325.	STP-24 150/5A	150/5	1	24	
M733250010000	STP-24 150/1A	150/1	1	24	
M7332500G0000	STP-24 150/250 mA	150/250 mA	0,1	24	
M73326.	STP-24 200/5A	200/5	1	24	
M733260010000	STP-24 200/1A	200/1	0,5	24	
M7332600G0000	STP-24 200/250 mA	200/250 mA	0,1	24	
M73327.	STP-24 250/5A	250/5	1	24	
M733270010000	STP-24 250/1A	250/1		24	1
M7332700G0000	STP-24 250/250 mA	250/250 mA		24	0,1
M73328.	STP-24 300/5A	300/5	1	24	
M733280010000	STP-24 300/1A	300/1		24	1
M7332800G0000	STP-24 300/250 mA	300/250 mA		24	0,1

Dimensions

