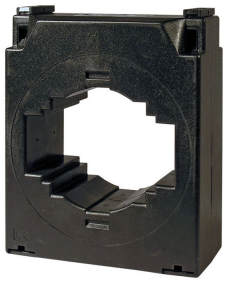

TC10 3000/5A

TC10 3000/5A, Current transformers narrow section

Code: M70379.

> Flat strip(mm): 50 x 50 |60 x 30 |80 x 30
> System: Single-phase
> Class 0,5 Power (VA): 15
> Class 1 Power (VA): 20
> Class 3 Power (VA): 30
> Measurement Range (A): 3000/5
> Input current: 3000 A
> Transformer type: Closed core

Description

- Type: bar entrance
- Types: from 40 to 4000 A
- Internal diameter: from 20.3 to 63 mm, depending on the type
- Busbar dimensions: from 25 x 5 mm to 30 x 100 mm
- Individual certificate available on request
- DIN rail fixing accessory (Types **TC5** and **TC6**)
- Secondary coding types .../5 A (on demand .../1 A. **TC4** not available)

Application

Converting a high nominal current to a lower current so that it can be measured by the unit. In installations where the electrical supply can be interrupted to install transformers.

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TC10 3000/5A

Current transformers narrow section

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Specifications

Electrical characteristics

Safety factor (SF)	FS 5
Power	20 VA (Class 1)

Mechanical characteristics

Size (mm) width x height x depth	108 x 137 x 78 (mm)
Envelope	Plastic wrap V0 self-extinguishing, UL 94
Weight (kg)	0,68

Environmental characteristics

Thermal Class	Class B (+130 °C)
Protection class	IP 20
Relative humidity (without condensation)	15 ... 95 %

Specific technical characteristics of current sensors

Inner diameter Ø (mm)	63
Operating voltage	0,72 kV~ max.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	3000 A
Dynamic current (Idyn)	2,5 Ith
Thermal short-circuit current (Ith)	60 In
Transformation ratio	... / 5 A

Standards

Standards	IEC 61869-1, IEC 61869-2, BS2627

For other configurations see table of additional features

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Dimensions

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