



## TC5 50/5A

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TC5 50/5A, Current transformers narrow section

Code: M70312.

- > Flat strip(mm): 20 x 10 | 25 x 5 | 15 x 5
- > System: Single-phase
- > Class 3 Power (VA): 2,5
- > Measurement Range (A): 50/5
- > Input current: 50 A
- > Transformer type: Closed core

### Description

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- 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

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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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### Specifications

#### Electrical characteristics

Safety factor (SF)	FS 5
Power	2.5 VA (Class 3)

#### Mechanical characteristics

Size (mm) width x height x depth	58 x 77 x 59 (mm)
Envelope	Plastic wrap V0 self-extinguishing, UL 94
Fastening	DIN rail with accessory
Weight (kg)	0,31

#### 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 $\emptyset$ (mm)	20,3
Operating voltage	0,72 kV~ max.

#### Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	50 A
Dynamic current (I <sub>dyn</sub> )	2,5 I <sub>th</sub>
Thermal short-circuit current (I <sub>th</sub> )	60 I <sub>n</sub>
Transformation ratio	... / 5 A

#### Standards

Standards	IEC 61869-1, IEC 61869-2, BS2627
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For other configurations see table of additional features



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## Dimensions

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