



TC10 500/5A

TC10 500/5A, Current transformers narrow section

Code: M7037B.

- > Flat strip(mm): 50 x 50 | 60 x 30 | 80 x 30
- > System: Single-phase
- > Class 0,5 Power (VA): 5
- > Class 1 Power (VA): 7,5
- > Class 3 Power (VA): 10
- > Measurement Range (A): 500/5
- > Input current: 500 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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Specifications

Electrical characteristics

Safety factor (SF)	FS 5
Power	7.5 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)	0,516

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 \varnothing (mm)	63
Operating voltage	0,72 kV~ max.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	500 A
Dynamic current (I _{dyn})	2,5 I _{th}
Thermal short-circuit current (I _{th})	60 I _n
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

