



TC4 50/5A

TC4 50/5A, Current transformers narrow section

Code: M703D5.

- > Flat strip(mm): 30 x 10 | 20 x 10 | 25 x 5
- > System: Single-phase
- > Class 3 Power (VA): 1
- > Measurement Range (A): 50/5
- > Input current: 50 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 | 1 VA (Class 3) |

Mechanical characteristics

| | |
|----------------------------------|---|
| Size (mm) width x height x depth | 50 x 77 x 56 (mm) |
| Envelope | Plastic wrap V0 self-extinguishing, UL 94 |
| Weight (kg) | 0,17 |

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) | 21 |
| Operating voltage | 0,72 kV~ max. |

Current measurement circuit

| | |
|--|---------------------|
| Nominal frequency | 50 / 60 Hz |
| Primary current measurement | 50 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 |
|-----------|----------------------------------|

For other configurations see table of additional features



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Dimensions

