



TC12 3000/5A

TC12 3000/5A, Current transformers narrow section

Code: M70387. [CONSULTAR DISPONIBILIDAD](#)

- > Flat strip(mm): 100 x 50
- > System: Single-phase
- > Class 0,5 Power (VA): 30
- > Class 1 Power (VA): 40
- > Class 3 Power (VA): 60
- > 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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Specifications

Electrical characteristics

| | |
|--------------------|-----------------|
| Safety factor (SF) | FS 5 |
| Power | 40 VA (Class 1) |

Mechanical characteristics

| | |
|----------------------------------|---|
| Size (mm) width x height x depth | 129 x 155 x 78 (mm) |
| Envelope | Plastic wrap V0 self-extinguishing, UL 94 |
| Weight (kg) | 0,95 |

Environmental characteristics

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

Specific technical characteristics of current sensors

| | |
|-------------------|---------------|
| 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

