



TC5 40/5A

TC5 40/5A, Current transformers narrow section

Code: M70311. **DESCATALOGADO**

- > Flat strip(mm): 20 x 10 | 25 x 5 | 15 x 5
- > System: Single-phase
- > Class 3 Power (VA): 1,5
- > Measurement Range (A): 40 /5
- > Input current: 40 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 | VA (Class 1) |

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) | 0,3 |

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) | 20,3 |
| Operating voltage | 0,72 kV~ max. |

Current measurement circuit

| | |
|-------------------------------------|------------|
| Nominal frequency | 50 / 60 Hz |
| Primary current measurement | 40 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

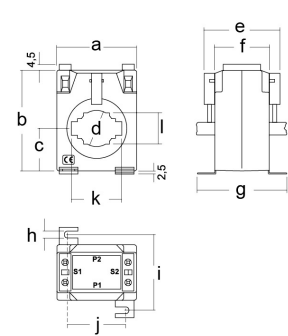


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Dimensions



| | TC 5 TCH 5 | TC 5.2 TCH 5.2 | TC 6.2 TCH6.2 | TC 6 TCH 6 | TC 8 TCH 8 | TC 10 TCH 10 |
|---|---------------|-------------------|------------------|---------------|---------------|-----------------|
| a | 58 | 58 | 64 | 64 | 84,5 | 108 |
| b | 70 | 70 | 80,5 | 80,5 | 102 | 130 |
| c | 29 | 29 | 34 | 34 | 46 | 61 |
| d | 20,3 | 22 | 26 | 28,5 | 44 | 63 |
| e | 45 | 45 | 60,5 | 66,5 | 69 | --- |
| f | 32 | 32 | 44 | 44 | 50 | 50 |
| g | 59 | 59 | 71 | 71,2 | 78 | 78 |
| h | 5,6 | 5,6 | 5,6 | 5,6 | 6,6 | 6,6 |
| i | 48 | 48 | 60 | 60 | 64 | 64 |
| j | 39 | 39 | 46 | 46 | 62 | 86 |
| k | 25,6 | 30,6 | 30,6 | 40,6 | 60,6 | 80,6 |
| l | 15,6 | 15,6 | 20,6 | 25,2 | 30,6 | 50,8 |