



TC10 400/5

TC10 400/5, Current transformers narrow section

Code: M7037G. DESCATALOGADO

> Flat strip(mm): 50 x 50 |60 x 30 |80 x 30

> System: Single-phase > Class 0,5 Power (VA): 2,5 > Class 1 Power (VA): 5

> Measurement Range (A): 400/5

> Input current: 400 A

> Class 3 Power (VA): 7,5

> Transformer type: Closed core

Description

- o Type: bar entrance
- \circ Types: from 40 to 4000 A
- o Internal diameter: from 20.3 to 63 mm, depending on the type
- O Busbar dimensions: from 25 x 5 mm to 30 x 100 mm
- o Individual certificate available on request
- $\circ~$ DIN rail fixing accessory (Types $\mbox{TC5}$ and $\mbox{TC6})$
- 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

| Safety factor (SF) | FS 5 | | | | |
|---|---|--|--|--|--|
| Power | 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) | 0,605 | | | | |
| 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) | 63 | | | | |
| Operating voltage | 0,72 kV~ max. | | | | |
| Current measurement circuit | | | | | |
| Nominal frequency | 50 / 60 Hz | | | | |
| Primary current measurement | 400 A | | | | |
| Dynamic current (Idyn) | 2,5 lth | | | | |
| Thermal short-circuit current (Ith) | 60 ln | | | | |
| Transformation ratio | / 5 A | | | | |
| Standards | | | | | |
| | | | | | |
| Standards | IEC 61869-1, IEC 61869-2, BS2627 | | | | |

For other configurations see table of additional features





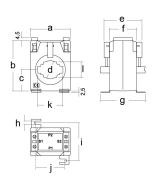


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Dimensions



| | 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 |
|---|---------------|-------------------|------------------|---------------|---------------|-----------------|
| а | 58 | 58 | 64 | 64 | 84,5 | 108 |
| b | 70 | 70 | 80,5 | 80,5 | 102 | 130 |
| с | 29 | 29 | 34 | 34 | 46 | 61 |
| d | 20,3 | 22 | 26 | 28,5 | 44 | 63 |
| е | 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 |
| 1 | 15,6 | 15,6 | 20,6 | 25,2 | 30,6 | 50,8 |

