

# TCH6 800/5A

TCH6 800/5A, Current transformers high accuracy and narrow section

Code: M70439. **CONSULTAR DISPONIBILIDAD**

> Flat strip(mm): 30 x 15 |20 x 10 |40 x 10
> System: Single-phase
> Class 0,2 Power (VA): 10
> Class 0,2S Power (VA): 7,5
> Class 0,5S Power (VA): 10
> Measurement Range (A): 800/5
> Input current: 800 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
- Transformer certificate sheet is attached
- Accessory on request for fixing on DIN rail (Types **TCH6** and **TCH6.2**)
- Secondary coding types .../5 A (on demand .../1 A.)

## 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 and a high accuracy is required.



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## Specifications

### Electrical characteristics

| | |
|---|---|
| Safety factor (SF) | FS 5 |
| Power | 10 VA (Class 0,2) |

### Mechanical characteristics

| | |
|---|---|
| Size (mm) width x height x depth | 72 x 87.13 x 71.1 (mm) |
| Envelope | Plastic wrap V0 self-extinguishing, UL 94 |
| Weight (kg) | 0,379 |

### 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) | 28,5 |
| Operating voltage | 0,72 kV~ max. |

### Current measurement circuit

| | |
|---|---|
| Nominal frequency | 50 / 60 Hz |
| Primary current measurement | 800 A |
| Dynamic current (Idyn) | 2,5 Ith |
| Thermal short-circuit current (Ith) | 60 In |
| Transformation ratio | ... / 5 A |

### Standards

| | |
|---|---|
| Standards | IEC 44-1, BS2627 |

**TCH**
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| CODE | TYPE | Measurement Range (A) | Flat strip(mm) | Class 0,2 Power (VA) | Class 0,2S Power (VA) | Class 0,5S Power (VA) |
|---|---|---|---|---|---|---|
| **TCH6.2** | | | | | | |
| M70444. | TCH6.2 200/5A | 200/5 | 20 x 20 \|25 x 12 \|30 x 10 | 5 | 3,5 | 5 |
| **TCH10** | | | | | | |
| M70476. | TCH10 1600/5A | 1600/5 | 50 x 50 \|60 x 30 \|80 x 30 | 10 | 10 | 15 |

For other configurations see table of additional features


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## Dimensions

