



## TC8 500/5A

TC8 500/5A, Current transformers narrow section

Code: M70362. **CONSULTAR DISPONIBILIDAD**

- > Flat strip(mm): 50 x 30 | 60 x 12
- > System: Single-phase
- > Class 0,5 Power (VA): 7,5
- > Class 1 Power (VA): 10
- > Class 3 Power (VA): 15
- > Measurement Range (A): 500/5
- > Input current: 500 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              | 10 VA (Class 1) |

### Mechanical characteristics

|                                  |   |
|----------------------------------|---|
| Size (mm) width x height x depth | 84.5 x 109 x 78 (mm)                      |
| Envelope                         | Plastic wrap V0 self-extinguishing, UL 94 |
| Weight (kg)                      | 0,42                                      |

### 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) | 44            |
| Operating voltage     | 0,72 kV~ max. |

### Current measurement circuit

|                                     |            |
|-------------------------------------|------------|
| Nominal frequency                   | 50 / 60 Hz |
| Primary current measurement         | 500 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

