



TC8 420 500A, Current transformers narrow section

Code: M72151.

> Input current: 500 A

> Flat strip(mm): 60 x 12 > Inner diameter (mm): 44 > Analog output: 4...20 mA > Measurement Range (A): 500

> Transformer type: Current transformer with 4 ... 20 mA converter

Description

- O Needs an output power supply of 7.5 ... 36 Vdc
- $\circ~$ Primary current: from 5 to 300 Aac, depending on the type
- Secondary current: 4 ... 20 mA
- $\circ~$ Internal diameter: from 20 to 44 mm, depending on the type
- O Busbar dimensions: from 25 x 5 mm to 60 x 12 mm

Application

Used in power lines to obtain a current proportional to the primary current rated at 0..20 mA / 4...20 mA in the secondary







Current transformer with converter

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Specifications

| Auxiliary power supply | |
|---|------------------------------------|
| Voltage | 7,5 36 Vdc |
| voltage | 7,5 50 vuc |
| Electrical characteristics | |
| Safety factor (SF) | FS < 5 |
| Mechanical characteristics | |
| Size (mm) width x height x depth | 84.5 x 102 x 50 (mm) |
| Envelope | Plastic wrap V0 self-extinguishing |
| Weight (kg) | 0,272 |
| Environmental characteristics | |
| Thermal Class | Class B (+130 °C) |
| 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 |
| Dynamic current (Idyn) | 2,5 lth |
| Thermal short-circuit current (Ith) | 60 ln |
| Transformation ratio | 4 20 mA |

TC-420

Current transformers with converter 4 \dots 20 mA or 0 \dots 20 mA

| CODE | TYPE | Measurement Range (A) | Flat strip(mm) | Inner diameter (mm) | |
|---------------|-------------------------|-----------------------|----------------|---------------------|--|
| Output 420 mA | , ext. supply 7,536 Vdc | | | | |
| M72112. | TC5 420 5A | 5 | 25 x 5 | 20 | |
| M72113. | TC5 420 10A | 10 | 25 x 5 | 20 | |
| M72114. | TC5 420 20A | 20 | 25 x 5 | 20 | |
| M72134. | TC6 420 200A | 200 | 40 x 10 | 28 | |
| M72136. | TC6 420 300A | 300 | 40 x 10 | 28 | |
| M72131. | TC6 420 50A | 50 | 40 x 10 | 28 | |
| M72152. | TC8 420 1000A | 1000 | 60 x 12 | 44 | |
| M72153. | TC8 420 1500A | 1500 | 60 x 12 | 44 | |
| M72151. | TC8 420 500A | 500 | 60 x 12 | 44 | |







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For greater currents, use: transformer + transducer







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Dimensions



