



TC8 020 1500A

TC8 020 1500A, Current transformers narrow section

Code: M72053.

- > Flat strip(mm): 60 x 12
- > Inner diameter (mm): 44
- > Analog output: 0...20 mA
- > Measurement Range (A): 1500
- > Input current: 1500 A
- > Transformer type: Current transformer with 4 ... 20 mA converter

Description

- Self-powered: does not need an auxiliary power supply.
- Primary current: from 50 to 300 Aac, depending on the type
- Secondary current: 0 ... 20 mA
- Internal diameter: from 28 to 44 mm, depending on the type
- Busbar dimensions: from 40 x 10 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



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Current transformers with converter

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Specifications

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) | 0,38 |

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 |
| Primary current measurement | 300 A |
| Dynamic current (Idyn) | 2,5 lth |
| Thermal short-circuit current (lth) | 60 In |
| Transformation ratio | 0 ... 20 mA |

TC-020

Current transformers with converter 4...20 mA or 0...20 mA

| CODE | TYPE | Measurement Range (A) | Flat strip(mm) | Inner diameter (mm) |
|------------------|---------------|-----------------------|----------------|---------------------|
| Output 0...20 mA | | | | |
| M72032. | TC6 020 100A | 100 | 40 x 10 | 28 |
| M72034. | TC6 020 200A | 200 | 40 x 10 | 28 |
| M72036. | TC6 020 300A | 300 | 40 x 10 | 28 |
| M72031. | TC6 020 50A | 50 | 40 x 10 | 28 |
| M72052. | TC8 020 1000A | 1000 | 60 x 12 | 44 |
| M72053. | TC8 020 1500A | 1500 | 60 x 12 | 44 |
| M72051. | TC8 020 500A | 500 | 60 x 12 | 44 |

For greater currents, use: transformer + transducer



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Dimensions

