



## 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

- o Self-powered: does not need an auxiliary power supply.
- $\circ~$  Primary current: from 50 to 300 Aac, depending on the type
- Secondary current: 0 ... 20 mA
- $\circ~$  Internal diameter: from 28 to 44 mm, depending on the type
- O 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 (Ith)                   | 60 In                              |  |
| memiai short-circuit current (itii)                   | 00 111                             |  |

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 020 mA | 1             |                       |                |                     |
| 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





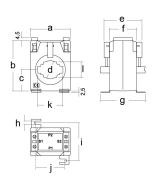


## TC8 020 1500A

Current transformers with converter

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### **Dimensions**



|   | TC 5<br>TCH 5 | TC 5.2<br>TCH 5.2 | TC 6.2<br>TCH6.2 | TC 6<br>TCH 6 | TC 8<br>TCH 8 | TC 10<br>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              |
| 9 | 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            |

