



TC6 020 50A

TC6 020 50A, Current transformers narrow section

Code: M72031.

- > Flat strip(mm): 40 x 10
- > Inner diameter (mm): 28
- > Analog output: 0...20 mA
- > Measurement Range (A): 50
- > Input current: 50 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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Specifications

Electrical characteristics

Safety factor (SF)	FS < 5
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Mechanical characteristics

Size (mm) width x height x depth	64 x 80.5 x 44 (mm)
Envelope	Plastic wrap V0 self-extinguishing
Weight (kg)	0,349

Environmental characteristics

Thermal Class	Class B (+130 °C)
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Specific technical characteristics of current sensors

Inner diameter Ø (mm)	28
Operating voltage	0,72 kV~ max.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	200 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

