



TI-420-70-100A

TI-420-70-100A, Current transformer with converter 4 ... 20 mA

Code: M70821.

- > Inner diameter (mm): 70
- > Analog output: 4...20 mA
- > Measurement Range (A): 100
- > Input current: 100 A
- > Transformer type: Current transformer with 4 ... 20 mA converter

Description

- Needs an output power supply of 10 ... 28 V dc
- Primary current: from 2.5 to 1500 A ~, depending on the type
- Secondary current: 4 ... 20 mA
- Internal diameter: from 35 to 105 mm, depending on the type
- Busbar dimensions: from 35 to 105 mm, depending on the type

Application

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



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Specifications

Auxiliary power supply

Voltage 10 ... 28 Vdc

Mechanical characteristics

Size (mm) width x height x depth 130 x 110 x 33 (mm)

Weight (kg) 0,25

Environmental characteristics

Working temperature -10°...+50 °C

Specific technical characteristics of current sensors

Inner diameter Ø (mm) 70

Operating voltage 0,72 kV~ max.

Current measurement circuit

Nominal frequency 50 / 60 Hz

Primary current measurement 100 A

Permanent overload 1,5 In

Transformation ratio 4 ... 20 mA

Standards

Standards IEC 44-1, UNE 21 088-1, IEC 664, VDE0110, VDE0414, UL 94, IEC 1010-1, EN 61010-1

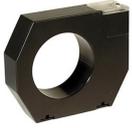
Measurement accuracy

Accuracy $\pm 1,5\% I_n$

TI

Current transformer with converter 4 ... 20 mA

| CODE | TYPE | Measurement Range (A) | Inner diameter (mm) |
|---|----------------|-----------------------|---------------------|
| 10...28 Vdc supply, Output 4...20 mA | | | |
| M70811. | TI-420-35-2.5A | 2.5 | 35 |
| M70812. | TI-420-35-5A | 5 | 35 |
| M70813. | TI-420-35-10A | 10 | 35 |
| M70814. | TI-420-35-20A | 20 | 35 |
| M70815. | TI-420-35-50A | 50 | 35 |
| M70816. | TI-420-35-100A | 100 | 35 |
| M70817. | TI-420-35-250A | 250 | 35 |



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| CODE | TYPE | Measurement Range (A) | Inner diameter (mm) |
|---------|------------------|-----------------------|---------------------|
| M70821. | TI-420-70-100A | 100 | 70 |
| M70822. | TI-420-70-250A | 250 | 70 |
| M70823. | TI-420-70-500A | 500 | 70 |
| M70824. | TI-420-70-750A | 750 | 70 |
| M70831. | TI-420-105-250A | 250 | 105 |
| M70832. | TI-420-105-500A | 500 | 105 |
| M70833. | TI-420-105-750A | 750 | 105 |
| M70834. | TI-420-105-1000A | 1000 | 105 |
| M70835. | TI-420-105-1500A | 1500 | 105 |

For greater currents, use: transformer + transducer

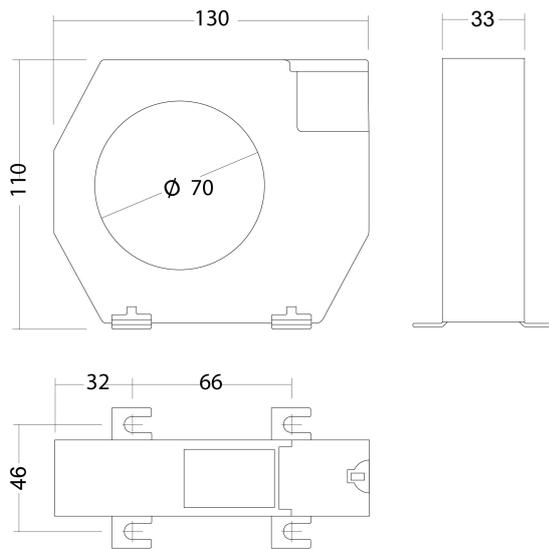


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Dimensions



Connections

