



## TCB-420-35-100A

TCB-420-35-100A, Current transformer with converter 4 ... 20 mA

Code: M71016.

- > Inner diameter (mm): 35
- > Analog output: 4...20 mA
- > Measurement Range (A): 100
- > Input current: 100 A
- > Transformer type: Current transformer with 4 ... 20 mA converter

### Description

- Built-in internal output power supply
- Needs an auxiliary power supply of 230 V ac
- Primary current: from 2.5 to 1500 A ac, depending on the type
- Secondary current: 4..20 mA
- Internal diameter / Busbar dimensions: from 35 to 105 mm

### 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 230 Vac

#### Mechanical characteristics

Size (mm) width x height x depth 166 x 79 x 33 (mm)

Weight (kg) 0,329

#### Environmental characteristics

Working temperature -10°...+50 °C

#### Specific technical characteristics of current sensors

Inner diameter Ø (mm) 35

Operating voltage 0,72 kV~ max.

#### Current measurement circuit

Nominal frequency 55 / 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  $\pm 1,5\%$  In

#### TCB

Current transformer with converter 4...20 mA

| CODE   | TYPE            | Measurement Range (A) | Inner diameter (mm) |
|--|-----------------|-----------------------|---------------------|
| <b>Output internal supply 4...20 mA (230 Vac Auxiliary supply)</b> |                 |                       |                     |
| M71011.  | TCB-420-35-2.5A | 2.5                   | 35                  |
| M71012.  | TCB-420-35-5A   | 5                     | 35                  |
| M71013.  | TCB-420-35-10A  | 10                    | 35                  |
| M71014.  | TCB-420-35-20A  | 20                    | 35                  |
| M71015.  | TCB-420-35-50A  | 50                    | 35                  |
| M71016.  | TCB-420-35-100A | 100                   | 35                  |
| M71017.  | TCB-420-35-250A | 250                   | 35                  |



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| CODE    | TYPE            | Measurement Range (A) | Inner diameter (mm) |
|---------|-----------------|-----------------------|---------------------|
| M71021. | TCB-420-70-100A | 100                   | 70                  |
| M71022. | TCB-420-70-250A | 250                   | 70                  |
| M71023. | TCB-420-70-500A | 500                   | 70                  |
| M71024. | TCB-420-70-750A | 750                   | 70                  |

For greater currents, use: transformer + transducer