



## TCB-420-35-50A

---

TCB-420-35-50A, Current transformer with converter 4 ... 20 mA

Code: M71015.

- > Inner diameter (mm): 35
- > Analog output: 4...20 mA
- > Measurement Range (A): 50
- > Input current: 50 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



## TCB-420-35-50A

Current transformer with converter 4 ... 20 mA

Code: M71015.

### Specifications

#### Auxiliary power supply

Voltage 230 Vac

#### Mechanical characteristics

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

Weight (kg) 0,3

#### 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 54 / 60 Hz

Primary current measurement 50 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  $\pm 1,5\% I_n$

#### 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



## TCB-420-35-50A

Current transformer with converter 4 ... 20 mA

Code: M71015.

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