# 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

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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) | 0,3 |

| 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 | ±1,5% In |

**TCB**
Current transformer with converter 4...20 mA

| CODE | TYPE | Measurement Range (A) | Inner diameter (mm) |
|---|---|---|---|
| **Output internal supply 4...20 mA (230 Vac Auxiliary supply)** | | | |
| 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 |
| M71021. | TCB-420-70-100A | 100 | 70 |

# TCB-420-35-50A

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| CODE | TYPE | Measurement Range (A) | Inner diameter (mm) |
|---|---|---|---|
| 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