



## TI-420-70-100A

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

Code: M70821.

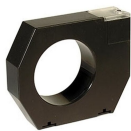
- > Inner diameter (mm): 70
- > Analog output: 4...20 mA
- > Measurement Range (A): 100
- > Input current: 100 A
- > Transformer type: Current transformer with 4 ... 20 mA converter

### 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 | ±1,5% In |
|----------|----------|

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

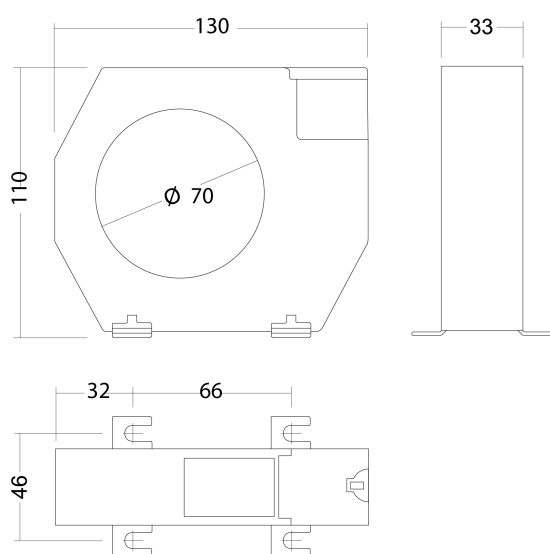


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### Dimensions



### Connections

