



## TI-420-70-500A

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TI-420-70-500A, Current transformer with converter 4 ... 20 mA

Code: M70823.

- > Inner diameter (mm): 70
- > Analog output: 4...20 mA
- > Measurement Range (A): 500
- > Input current: 500 A
- > Transformer type: Current transformer with 4 ... 20 mA converter

### Description

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- 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

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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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Current transformers with converter

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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) 0,335

#### 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 500 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

#### TI

Current transformer with converter 4 ... 20 mA

CODE	TYPE	Measurement Range (A)	Inner diameter (mm)
<b>10...28 Vdc supply, Output 4...20 mA</b>			
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

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### Connections

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