



TI-420-105-1000A, Current transformer with converter 4 ... 20 mA

Code: M70834.

> Inner diameter (mm): 105 > Analog output: 4...20 mA > Measurement Range (A): 1000 > Input current: 1000 A

> Transformer type: Current transformer with 4 ... 20 mA converter

Description

- \circ $\,$ Needs an output power supply of 10 ... 28 V dc
- Primary current: from 2.5 to 1500 A ~, depending on the type
- o Secondary current: 4 ... 20 mA
- o Internal diameter: from 35 to 105 mm, depending on the type
- $\circ~$ 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	170 x 146 x 33 (mm)
Weight (kg)	0,6
Environmental characteristics	
Working temperature	-10°+50 °C
Specific technical characteristics of current sensors	
Inner diameter Ø (mm)	105
Operating voltage	0,72 kV~ max.
Current measurement circuit	
Nominal frequency	50 / 60 Hz
Primary current measurement	1000 A
Permanent overload	1,5 ln
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-
Measurement accuracy	
Accuracy	±1,5% In

Current transformer with converter 4 ... 20 mA

CODE	TYPE	Measurement Range (A)	Inner diameter (mm)
1028 Vdc supply, 0	Output 420 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





