



TCB-420-70-100A

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

Code: M71021.

> Input current: 100 A

> Inner diameter (mm): 70 > Analog output: 4...20 mA > Measurement Range (A): 100

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

Description

- o Built-in internal output power supply
- O Needs an auxiliary power supply of 230 V ac
- $\circ~$ Primary current: from 2.5 to 1500 A ac, depending on the type
- O Secondary current: 4..20 mA
- $\circ~$ 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	196 x 110 x 33 (mm)
Weight (kg)	0,39
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	57 / 60 Hz
Primary current measurement	100 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

TCB

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CODE	TYPE	Measurement Range (A)	Inner diameter (mm)		
Output internal supply 420 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		







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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

