Circutor

TC8 420 500A

TC8 420 500A, Current transformers narrow section

Code: M72151.

> Flat strip(mm): 60 x 12
> Inner diameter (mm): 44
> Analog output: 4...20 mA
> Measurement Range (A): 500
> Input current: 500 A
> Transformer type: Current transformer with 4 ... 20 mA converter

Description

○ Needs an output power supply of 7.5 ... 36 Vdc

○ Primary current: from 5 to 300 Aac, depending on the type

○ Secondary current: 4 ... 20 mA

○ Internal diameter: from 20 to 44 mm, depending on the type

○ Busbar dimensions: from 25 x 5 mm to 60 x 12 mm

Application

Used in power lines to obtain a current proportional to the primary current rated at 0..20 mA / 4...20 mA in the secondary

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Current transformer with converter

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Specifications

Auxiliary power supply

Voltage	7,5 ... 36 Vdc

Electrical characteristics

Safety factor (SF)	FS < 5

Mechanical characteristics

Size (mm) width x height x depth	84.5 x 102 x 50 (mm)
Envelope	Plastic wrap V0 self-extinguishing
Weight (kg)	0,272

Environmental characteristics

Thermal Class	Class B (+130 °C)

Specific technical characteristics of current sensors

Inner diameter Ø (mm)	44
Operating voltage	0,72 kV~ max.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Dynamic current (Idyn)	2,5 Ith
Thermal short-circuit current (Ith)	60 In
Transformation ratio	4 ... 20 mA

TC-420
Current transformers with converter 4 ... 20 mA or 0 ... 20 mA

CODE	TYPE	Measurement Range (A)	Flat strip(mm)	Inner diameter (mm)
Output 4...20 mA, ext. supply 7,5...36 Vdc				
M72112.	TC5 420 5A	5	25 x 5	20
M72113.	TC5 420 10A	10	25 x 5	20
M72114.	TC5 420 20A	20	25 x 5	20
M72134.	TC6 420 200A	200	40 x 10	28
M72136.	TC6 420 300A	300	40 x 10	28
M72131.	TC6 420 50A	50	40 x 10	28
M72152.	TC8 420 1000A	1000	60 x 12	44
M72153.	TC8 420 1500A	1500	60 x 12	44
M72151.	TC8 420 500A	500	60 x 12	44

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For greater currents, use: transformer + transducer

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Dimensions