TC8 020 1000A

TC8 020 1000A, Current transformers narrow section

Code: M72052.

> Flat strip(mm): 60 x 12
> Inner diameter (mm): 44
> Analog output: 0...20 mA
> Measurement Range (A): 1000
> Input current: 1000 A
> Transformer type: Current transformer with 4 ... 20 mA converter

Description

- Self-powered: does not need an auxiliary power supply.
- Primary current: from 50 to 300 Aac, depending on the type
- Secondary current: 0 ... 20 mA
- Internal diameter: from 28 to 44 mm, depending on the type
- Busbar dimensions: from 40 x 10 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 transformers with converter

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Specifications

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)	0,452

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
Primary current measurement	250 A
Dynamic current (Idyn)	2,5 Ith
Thermal short-circuit current (Ith)	60 In
Transformation ratio	0 ... 20 mA

TC-020
Current transformers with converter 4...20 mA or 0...20 mA

CODE	TYPE	Measurement Range (A)	Flat strip(mm)	Inner diameter (mm)
Output 0...20 mA				
M72032.	TC6 020 100A	100	40 x 10	28
M72034.	TC6 020 200A	200	40 x 10	28
M72036.	TC6 020 300A	300	40 x 10	28
M72031.	TC6 020 50A	50	40 x 10	28
M72052.	TC8 020 1000A	1000	60 x 12	44
M72053.	TC8 020 1500A	1500	60 x 12	44
M72051.	TC8 020 500A	500	60 x 12	44

For greater currents, use: transformer + transducer

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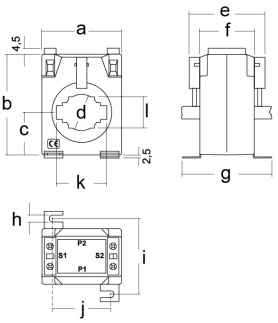
Dimensions



	TC 5 TCH 5	TC 5.2 TCH 5.2	TC 6.2 TCH6.2	TC 6 TCH 6	TC 8 TCH 8	TC 10 TCH 10
a	58	58	64	64	84,5	108
b	70	70	80,5	80,5	102	130
c	29	29	34	34	46	61
d	20,3	22	26	28,5	44	63
e	45	45	60,5	66,5	69	---
f	32	32	44	44	50	50
g	59	59	71	71,2	78	78
h	5,6	5,6	5,6	5,6	6,6	6,6
i	48	48	60	60	64	64
j	39	39	46	46	62	86
k	25,6	30,6	30,6	40,6	60,6	80,6
l	15,6	15,6	20,6	25,2	30,6	50,8

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