

TC5 420 5A

TC5 420 5A, Current transformers narrow section

Code: M72112.

> Flat strip(mm): 25 x 5
> Inner diameter (mm): 20
> Analog output: 4...20 mA
> Measurement Range (A): 5
> Input current: 5 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

Creation date: 24/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



TC5 420 5A

Current transformer with converter

Code: M72112.

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	58 x 70 x 32 (mm)
Envelope	Plastic wrap V0 self-extinguishing
Weight (kg)	0,301

Environmental characteristics

Thermal Class	Class B (+130 °C)

Specific technical characteristics of current sensors

Inner diameter Ø (mm)	20
Operating voltage	0,72 kV~ max.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	100 A
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
M72132.	TC6 420 100A	100	40 x 10	28
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

Creation date: 24/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.



TC5 420 5A

Current transformer with converter

Code: M72112.

CODE	TYPE	Measurement Range (A)	Flat strip(mm)	Inner diameter (mm)
M72153.	TC8 420 1500A	1500	60 x 12	44
M72151.	TC8 420 500A	500	60 x 12	44

For greater currents, use: transformer + transducer

Creation date: 24/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.

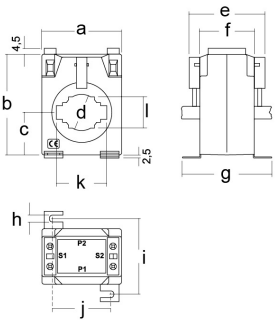


TC5 420 5A

Current transformer with converter

Code: M72112.

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

Creation date: 24/11/2026 - CIRCUTOR, SAU reserves the right to make technical changes or modify the content/images of this document without prior notice, in order to improve its reliability, functionality, design or for other reasons.
It accepts no liability for any errors, inaccuracies or possible lack of information in this document.