

## TP-420-23-100A

TP-420-23-100A, Split core current transformer with converter 4...20 mA

Code: M70215. [CONSULTAR DISPONIBILIDAD](#)

- > Flat strip(mm): 20 x 30
- > Analog output: 4...20 mA
- > Measurement Range (A): 100
- > Input current: 100 A
- > Transformer type: Current transformer with 4 ... 20 mA converter

### Description

- Needs a power supply output of 10 to 28 V dc
- Primary current: from 5 to 4000 A ac, depending on the type
- Secondary current 4...20 mA
- Internal diameter from 20 to 80 mm, depending on the type
- Busbar dimensions from 20 x 30 mm to 80 x 160 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 Recommended in scenarios where the process signal must be proportional to the current of an automated system or PLC and the installation's power supply can not be interrupted to install a closed entrance bar transformer.



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Current transformer with converter

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### Specifications

#### Auxiliary power supply

Voltage	10 ... 28 Vdc
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#### Mechanical characteristics

Size (mm) width x height x depth	110 x 89 x 58 (mm)
Weight (kg)	0,75

#### Environmental characteristics

Working temperature	-10°...+50 °C
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#### Specific technical characteristics of current sensors

Operating voltage	0,72 kV~ max.
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#### Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	100 A
Permanent overload	1,5 I <sub>n</sub>
Transformation ratio	4 ... 20 mA

#### Standards

Standards	IEC 44-1, UNE 21 088-1, IEC 664, VDE 0110, VDE 0414, UL 94, IEC 1010-1, EN 61010-1
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#### Measurement accuracy

Accuracy	±1,5% ( 5 ... 110 % I <sub>n</sub> )
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For greater currents, use: transformer + transducer

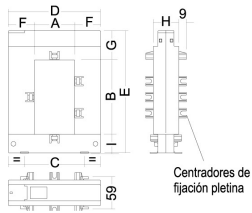


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## Dimensions



mm	TP-23	TP-58	TP-88	TP-812	TP-816
a	20	50	80	80	80
b	30	80	80	120	160
c	51	78	108	108	120
d	89	114	144	144	184
e	110	145	145	185	245
f	34	32	32	32	52
g	47	32	32	32	47
h	40	32	32	32	52
i	32	32	32	32	38

## Connections

