

TP-420-23-500A

TP-420-23-500A, Split core current transformer with converter 4...20 mA

Code: M70218.

- > Flat strip(mm): 20 x 30
- > Analog output: 4...20 mA
- > Measurement Range (A): 500
- > Input current: 500 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

Operating 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	500 A
Permanent overload	1,5 In
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 % In)
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TP-420

Current transformer with converter 4...20 mA

CODE	TYPE	Measurement Range (A)	Flat strip(mm)
10...28 Vdc supply, Output 4...20 mA			
M70211.	TP-420-23-5A	5	20 x 30
M70212.	TP-420-23-10A	10	20 x 30
M70213.	TP-420-23-20A	20	20 x 30
M70214.	TP-420-23-50A	50	20 x 30
M70215.	TP-420-23-100A	100	20 x 30
M70216.	TP-420-23-200A	200	20 x 30
M70217.	TP-420-23-250A	250	20 x 30



TP-420-23-500A

Current transformer with converter

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CODE	TYPE	Measurement Range (A)	Flat strip(mm)
M70218.	TP-420-23-500A	500	20 x 30
M70221.	TP-420-58-100A	100	50 x 80
M70222.	TP-420-58-250A	250	50 x 80
M70223.	TP-420-58-500A	500	50 x 80
M70224.	TP-420-58-750A	750	50 x 80

For greater currents, use: transformer + transducer

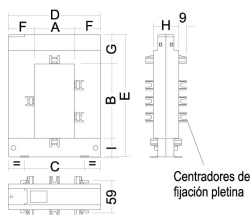


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Current transformer with converter

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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

