TP-420-58-750A

TP-420-58-750A, Split core current transformer with converter 4...20 mA

Code: M70224.

> Flat strip(mm): 50 x 80

> Analog output: 4...20 mA

> Measurement Range (A): 750

> Input current: 750 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.

TP-420-58-750A

Current transformer with converter

Code: M70224.

Specifications

Auxiliary power supply

Voltage	10 ... 28 Vdc

Mechanical characteristics

Size (mm) width x height x depth	145 x 114 x 50 (mm)
Weight (kg)	0,9

Environmental characteristics

Working temperature	-10°...+50 °C

Specific technical characteristics of current sensors

Operating voltage	0,72 kV~ max.

Current measurement circuit

Nominal frequency	50 / 60 Hz
Primary current measurement	750 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

Measurement accuracy

Accuracy	±1,5% (5 ... 110 % In)

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			
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

Creation date: 15/01/2025 - 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.

Page 2 of 3

TP-420-58-750A

Current transformer with converter

Code: M70224.

Dimensions

Connections