

TI-420-35-50A

TI-420-35-50A, Current transformer with converter 4 ... 20 mA

Code: M70815.

> Inner diameter (mm): 35
> Analog output: 4...20 mA
> Measurement Range (A): 50
> Input current: 50 A
> Transformer type: Current transformer with 4 ... 20 mA converter

Description

- Needs an output power supply of 10 ... 28 V dc
- Primary current: from 2.5 to 1500 A ~, depending on the type
- Secondary current: 4 ... 20 mA
- Internal diameter: from 35 to 105 mm, depending on the type
- Busbar dimensions: from 35 to 105 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

Creation date: 23/11/2026 - 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.



TI-420-35-50A

Current transformers with converter

Code: M70815.

Specifications

Auxiliary power supply	
Voltage	10 ... 28 Vdc

Mechanical characteristics	
Size (mm) width x height x depth	100 x 79 x 33 (mm)
Weight (kg)	0,161

Environmental characteristics	
Working temperature	-10°...+50 °C

Specific technical characteristics of current sensors	
Inner diameter Ø (mm)	35
Operating voltage	0,72 kV~ max.

Current measurement circuit	
Nominal frequency	50 / 60 Hz
Primary current measurement	50 A
Permanent overload	1,5 In
Transformation ratio	4 ... 20 mA

Standards	
Standards	IEC 44-1, UNE 21 088-1, IEC 664, VDE0110, VDE0414, UL 94, IEC 1010-1, EN 61010-1

Measurement accuracy	
Accuracy	±1,5% In

TI
Current transformer with converter 4 ... 20 mA

CODE	TYPE	Measurement Range (A)	Inner diameter (mm)
10...28 Vdc supply, Output 4...20 mA			
M70811.	TI-420-35-2.5A	2.5	35
M70812.	TI-420-35-5A	5	35
M70813.	TI-420-35-10A	10	35
M70814.	TI-420-35-20A	20	35
M70815.	TI-420-35-50A	50	35
M70816.	TI-420-35-100A	100	35
M70817.	TI-420-35-250A	250	35

Creation date: 23/11/2026 - 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.



TI-420-35-50A

Current transformers with converter

Code: M70815.

CODE	TYPE	Measurement Range (A)	Inner diameter (mm)
M70821.	TI-420-70-100A	100	70
M70822.	TI-420-70-250A	250	70
M70823.	TI-420-70-500A	500	70
M70824.	TI-420-70-750A	750	70
M70831.	TI-420-105-250A	250	105
M70832.	TI-420-105-500A	500	105
M70833.	TI-420-105-750A	750	105
M70834.	TI-420-105-1000A	1000	105
M70835.	TI-420-105-1500A	1500	105

For greater currents, use: transformer + transducer

Creation date: 23/11/2026 - 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.

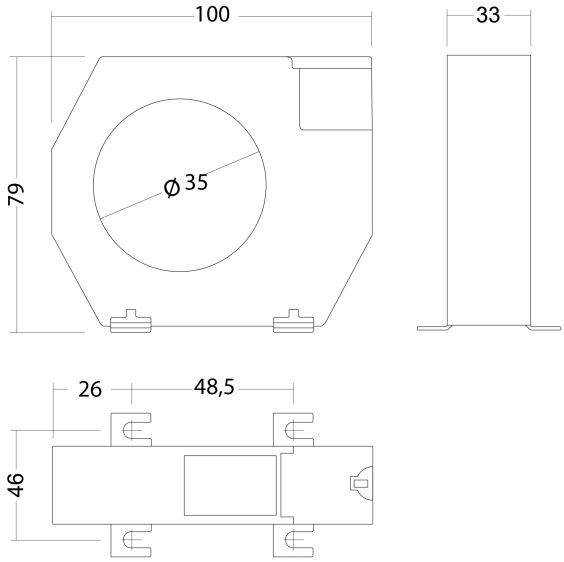


TI-420-35-50A

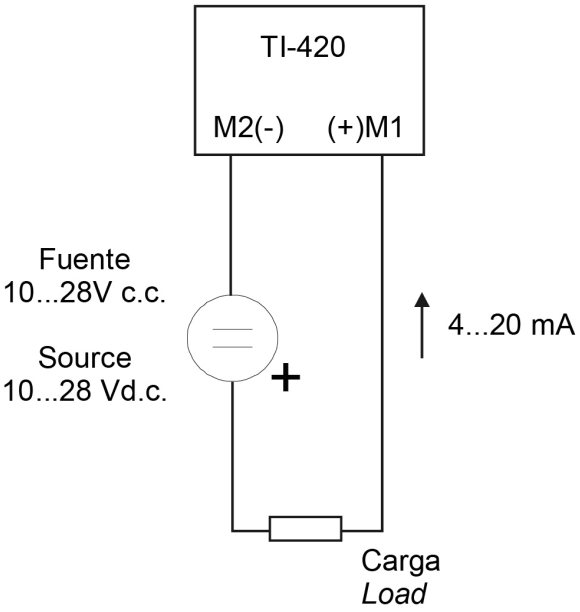
Current transformers with converter

Code: M70815.

Dimensions



Connections



Creation date: 23/11/2026 - 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.