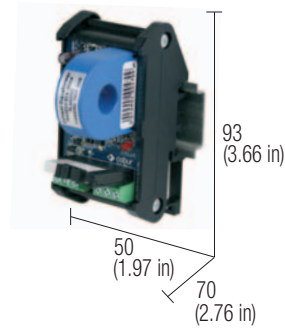


Current limit value switch

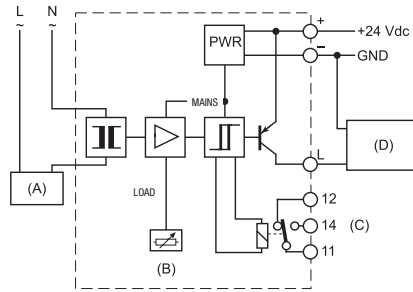
- For AC current measure
- Adjustable threshold value
- Versions with transistor or relay output
- IN/OUT 3 kV isolation



NOTES

The dimensions includes the terminal blocks and the DIN clamp.
 (1) Isolation referred to conductor being measured, not isolated (naked) and in contact with the wall of the toroid. By using isolated conductors, the isolation value of the conductor is added to isolation of the module.

BLOCK DIAGRAM



- (A) AC load
 - (B) Threshold
 - (C) Output with SPDT contact
 - (D) Digital input drive by transistor
- Power supply
24 Vac/dc

VERSIONS

Cod. XCCIS2
CCIS-2

INPUT TECHNICAL DATA

Max. measured current	50 A (AC)
Max. measured voltage	600 Vac (1)
Frequency	50...60 Hz
Sensor's hole diameter	Ø 13 mm

Max. measured current	50 A (AC)
Max. measured voltage	600 Vac (1)
Frequency	50...60 Hz
Sensor's hole diameter	Ø 13 mm

OUTPUT TECHNICAL DATA

Threshold regulation	2...40 A
Threshold hysteresis	± 10%
Max. output current	100 mA open collector PNP
Output status	"high" 24 V (closed) with I < threshold "low" 0 V (open) with I > threshold
Response time	20 ms

Threshold regulation	2...40 A
Threshold hysteresis	± 10%
Max. output current	100 mA open collector PNP
Output status	"high" 24 V (closed) with I < threshold "low" 0 V (open) with I > threshold
Response time	20 ms

GENERAL TECHNICAL DATA

Supply voltage	24 Vdc ± 10%
Max rated current	100 mA
Operating temperature range	0...60°C
Input/output isolation	> 3 kVac /60 s
Connection terminal	2.5 mm ² fixed screw type (14 AWG)
Housing material	polyamide UL94V-03
Approx. weight	100 g (3.53 oz)
Mounting information	vertical on rail adjacent without gap

Supply voltage	24 Vdc ± 10%
Max rated current	100 mA
Operating temperature range	0...60°C
Input/output isolation	> 3 kVac /60 s
Connection terminal	2.5 mm ² fixed screw type (14 AWG)
Housing material	polyamide UL94V-03
Approx. weight	100 g (3.53 oz)
Mounting information	vertical on rail adjacent without gap

MOUNTING ACCESSORIES

Profilato d'appoggio a norma IEC60715/TH35	
Profilato d'appoggio a norma IEC60715/G32	
Plug-in jumper	red
(16 poles, 16 A)	white
	blue

PR/3/AC, PR/3/AS	
PR/DIN/AC, PR/DIN/AS, PR/DIN/AL	
	—
	—

APPLICATIONS

This module converts a current flowing through circuit into a threshold that can be adjusted by the potentiometer; when the current reaches the threshold value, the relay or the transistor switches; the wire must be feed through the hole of the current sensor for current detection.