

THRESHOLD MONITORING FOR CURRENT SIGNAL



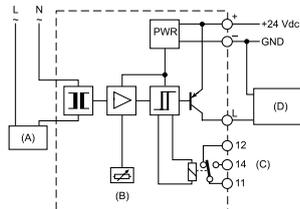
- Input: 0...40 A AC
- Output: SPDT contact
- Insulation: 3.0 kVac, 2-way isolation
- Adjustable threshold value



NOTE

[1] The relay is turned on and the transistor output is "high" with input signal under the threshold value

[2] The insulation refers to an uninsulated conductor in contact with the toroid wall. Using insulated conductors, the insulation value of the conductor is added to the isolation value of the converter



APPLICATIONS

Inserted into a current circuit, the module can be used to set (using a precision potentiometer) the desired current value for the relay or transistor switch, obtaining a current threshold above or below which the switch occurs. The cable carrying the current must be passed through the module's toroidal sensor. The relay or the transistor switches when the set current threshold is surpassed.

CODE	XCCIS2
TYPE	CCIS-2
INPUT TECHNICAL DATA	
Signal type IN	analogue
Input range IN	40 A (AC 50...60 Hz)
Maximum voltage current signal IN	600 Vac / 50 A [1]
Input impedance IN	—
Hysteresis	—
Parametrization IN	—
OUTPUT TECHNICAL DATA	
Signal type OUT	SPDT contact , PNP open collector transistor [1]
Output range OUT	100 mA (PNP open collector)
Status indication OUT	LED
Operating mode OUT	limit value
Parametrization OUT	2...40 A ± 10% (trimmer)
GENERAL TECHNICAL DATA	
Power supply voltage	24 Vdc ± 10%
Current consumption	100 mA
Auxiliary output voltage	—
Accuracy	—
Linearity error	—
Temperature coefficient	—
Setting time	20 ms
Transmission frequency	—
Resolution	—
Rise time	—
Operating temperature range	-20...+60°C
Insulation	3.0 kVac / 60 s [2]
Insulation type	2-way (IN / OUT)
Standard approvals	—
EMC Standards	—
Overvoltage category / Pollution degree	II / 2
Protection degree	IP 00
Connection terminal IN / OUT	cable, through in a 13 mm Ø hole / 2.5 mm ² (screw)
Housing material	UL94V-0 plastic material
Dimensions	50x93x70 mm
Approximate weight	100 g
Mounting information	vertical on a rail, distance 5 mm from adjacent components
APPROVALS	CE
ACCESSORIES	
Mounting rail (IEC60715/TH35-7.5)	PR/3/AC, PR/3/AC/ZB, PR/3/AS, PR/3/AS/ZB
Mounting rail (IEC60715/TH35-15)	PR/3/PP, PR/3/PP/ZB, PR/3/PA, PR/3/PA/ZB
Marking tag	—
Plugin jumper red	—
Plugin jumper white	—
Plugin jumper blue	—
Programming kit	—

- (A) AC Load
- (B) Control threshold
- (C) Exchange output contact
- (D) Transistor-controlled digital input 24 Vac/dc power supply