AC Current Switches

General Information

Products type: AC Current Switches are used to detect current flowing in a circuit. When the primary current is below the setpoint value, the output contacts are open and the Green LED is on. When the current exceeds the setpoint value, the output contacts close and the red LED goes on.

Suitable For: Primarily intended for HVAC applications to detect when EC motors are running, however can be used in any application where there is no direct dry contact to indicate when a circuit is on.

Specifications

Technical Characteristic	Value
Input	As per part table below
Output	0.3A @ 240VAC or 24VDC
Max Off state leakage	0.1A
Operating Temperature	-20 to 60°C
Response time	⟨200ms
Hysteresis	⟨1%
Ingress Protection	IP30
Output Terminal Cable Size	⟨2.5mm^2
Strip Length	6mm

Product Details

Part Number	Setpoint	Aperture Size	Dimensions	Mounting
ACCSD30A	0.2 – 30A	10mm	65 x 25 x 47mm	Panel or DIN
ACCS200A	0.2 – 200A	20mm	80 x 27 x 70mm	Panel

Installation Notes

1) Primary current must be 50Hz AC. Not suitable for DC or VSD output.
2) Maximum primary current must be within adjustment range. Exceeding this value could damage internal circuitry.
3) Output contact is a dry contact with maximum capacity of 0.3A at 240VAC or 24VDC.
4) Only a single primary can be run through the aperture otherwise the device may not operate correctly.
5) No external supply is necessary. Device is self powered.