

# "Mini" Current Switches

## A/MCS-A, A/MSCS-A



Mini Solid-Core

Mini Split-Core

## Mini-Adjustable

### *Miniature Adjustable Status Switches (Split & Solid Core)*

The A/MCS-A and A/MSCS-A are N/O solid state adjustable current switches. These switches are small in stature, allowing for tight installations. They are ideal for providing status information on any equipment that uses AC current. Outputs are non-polarity sensitive, N/O solid-state contacts for switching both AC and DC circuits up to 36 volts. Units also include two Status LED indicators, which will signal three states: tripped on, current present but below trip point, and current off or below the low end of the adjustable trip point range. A change in current may indicate motor failure, belt loss/slippage, or mechanical failure. In any of these events, the current can significantly increase or decrease, thus tripping the current switch and immediately notifying the Building Management System of the failure or problem.

## Specifications

Sensor Power	Induced from monitored conductor	
Amperage Rating	A/MCS-A: 0.32 to 150A	A/MSCS-A: 0.70 to 150A
Maximum Sensing Current Voltage	600 VAC	
Isolation Voltage	2,200 VAC	
Operating Frequency	50 Hz, 60 Hz	
Output Rating	A/MCS-A: 1A Continuous, 36 VAC/VDC	A/MSCS-A: 1A Continuous 36 VAC/VDC
Status LED Indication	Red LED: Above Trip Point	Blue LED: Under Trip Point
Aperture (Hole) Size	A/MCS-A: 0.55" DIA (insulated conductors required)	A/MSCS-A: 0.53" DIA (insulated conductors required)
Trip Point	A/MCS-A: Adjustable from 0.32 to 150A	A/MSCS-A: Fixed @ below 0.55A, Adjustable from 0.70 to 150A
Operating Temperature Range	-30 to 60°C (-22 to 140°F)	
Operating Humidity Range	0 to 95% RH, non-condensing	
Product Dimensions	Mini Split Core: (L) 2.65" (W) 0.94" (H) 2.35"	Mini Solid Core: (L) 2.50" (W) 0.94" (H) 1.99"

## Ordering

Select one Mini Current Switch (A). **NOTE:** LEDs are intended to indicate whether power is applied. Current Switches are not to be used in Life & Safety applications, or in hazardous locations.

### A Mini Current Switches

- A/MCS-A (Solid-Core, Fixed Current Switch) (N/O, 0-150A) (Adjustable Trip Point: 0.32 to 150A)
- A/MSCS-A (Split-Core, Fixed Current Switch) (N/O, 0-150A) (Adjustable Trip Point: 0.70 to 150A)

## Build your part number

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: A/MCS-A



All Current Sensors, Switches and Command Relays have a UL94-5VB flammability rating for the enclosure.