



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.

The A/MCS-A and A/MSCS-A Series are covered by ACI's Five (5) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, [www.workaci.com](http://www.workaci.com).



## Specifications

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