



Solid-Core

FIXED

Fixed Status Switches (Split & Solid Core)

The A/CS and A/SCS Series current switches have a solid-state output with a fixed trip point (setpoint). These switches are ideal for providing status information on any type of AC current using equipment. They should be used in applications requiring a "Go/No Go" current switch. A change in the operating current may indicate mechanical failure or that the unit has been turned off. Units also include a red "Status" LED that will indicate whether the current is above or below the fixed trip point. A normally closed version (X) is also available. Every device on this cutsheet features a patented Din-Rail mounting system (Pat. no. US 7,416,421) for ease of installation.

The A/CS and A/SCS 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.





SPECIFICATIONS

Sensor Power	Induced from monitored conductor	
Amperage Rating	See ordering info below	
Maximum Sensing Current Voltage	600 VAC	
Isolation Voltage	2,200 VAC	
Operating Frequency	40 Hz to 1 kHz	
Output Switch Rating	A/CS & A/SCS: 0.3A @ 200 VAC/VDC	A/CSX & A/SCSX: 0.15A @ 300 VAC/VDC
Aperture (hole) size	0.75" DIA (insulated conductors required)	
Status LED Indication	Red LED (Above Trip Point)	
DIN Rail Size	35mm	
Operating Temperature Range	-15 to 40°C (5 to 104°F)	
Operating Humidity Range	0 to 95% RH, non-condensing	
Product Dimensions	Split Core: (L) 3.33" (W) 1.08" (H) 2.70"	Solid Core: (L) 3.38" (W) 0.98" (H) 2.27"

ORDERING

Select one Current Switch (A). **NOTE:** LEDs should not be used to indicate whether power or current is being applied to or running through the aperture of the sensor. Current Switches are not to be used in Life & Safety applications, or in hazardous locations.

A Current Switches

- A/CS (Solid-Core Current Switch, N/O, 0-250A) (Fixed Trip Point: 0.50A) (Output Switch Rating: 0.30A @ 200 VAC/VDC)
- A/CS-L (Solid-Core Current Switch, N/O, 0-250A) (Fixed Trip Point: 0.20A) (Output Switch Rating: 0.30A @ 200 VAC/VDC)
- A/CSX (Solid-Core Current Switch, N/C, 0-250A) (Fixed Trip Point: 1.00A) (Output Switch Rating: 0.15A @ 300 VAC/VDC)
- A/CSX-L (Solid-Core Current Switch, N/C, 0-250A) (Fixed Trip Point: 0.50A) (Output Switch Rating: 0.15A @ 300 VAC/VDC)
- A/SCS (Split-Core Current Switch, N/O, 0-200A) (Fixed Trip Point: 2.50A) (Output Switch Rating: 0.30A @ 200 VAC/VDC)
- A/SCS-L (Split-Core Current Switch, N/O, 0-200A) (Fixed Trip Point: 1.50A) (Output Switch Rating: 0.30A @ 200 VAC/VDC)
- A/SCSX (Split-Core Current Switch, N/C, 0-250A) (Fixed Trip Point: 2.50A) (Output Switch Rating: 0.15A @ 300 VAC/VDC)

BUILD 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/CS-L

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

