



Solid-Core

Split-Core

Adjustable

Adjustable Status Switches (Split & Solid Core)

The A/ACS and A/ASCS Series current switches have a solid-state output with an adjustable trip point (setpoint). The switches are ideal for providing status information on equipment using an AC current. They should be used in applications requiring a current switch with an adjustable 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/ACS and A/ASCS 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	
Maximum Sensing Current Voltage	600 VAC	
Isolation Voltage	2,200 VAC	
Operating Frequency	40 Hz to 1 kHz	
Output Switch Rating	A/ACS & A/ASCS: 0.3A @ 200 VAC/VDC	A/ACSX & A/ASCSX: 0.15A @ 300 VAC/VDC
Aperture (Hole) Size	0.75" DIA (insulated conductors required)	
Status LED Indication	Red LED: Above Trip Point	Green LED: Below 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	
Hysteresis (Dead Band)	10% Setpoint, Typical	
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 are intended to indicate whether power is applied. Current Switches are not to be used in Life & Safety applications, or in hazardous locations.

A Current Switches

- A/ACS** (Solid-Core Current Switch, N/O, 0-250A) (Adjustable Trip Point: 1.0-250A) (Output Switch Rating: 0.30A @ 200 VAC/VDC)
- A/ACS-L** (Solid-Core Current Switch, N/O, 0-250A) (Adjustable Trip Point: 0.50-250A) (Output Switch Rating: 0.30A @ 200 VAC/VDC)
- A/ACSX** (Solid-Core Current Switch, N/C, 0-250A) (Adjustable Trip Point: 1.0-250A) (Output Switch Rating: 0.15A @ 300 VAC/VDC)
- A/ASCS** (Split-Core Current Switch, N/O, 0-200A) (Adjustable Trip Point: 3.0-200A) (Output Switch Rating: 0.30A @ 200 VAC/VDC)
- A/ASCS-L** (Split-Core Current Switch, N/O, 0-200A) (Adjustable Trip Point: 2.0-200A) (Output Switch Rating: 0.30A @ 200 VAC/VDC)
- A/ASCSX** (Split-Core Current Switch, N/C, 0-250A) (Adjustable Trip Point: 3.0-250A) (Output Switch Rating: 0.15A @ 300 VAC/VDC)
- A/ASCSX-L** (Split-Core Current Switch, N/C, 0-250A) (Adjustable Trip Point: 2.5-250A) (Output Switch Rating: 0.15A @ 300 VAC/VDC)

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/ASCS



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