MINI FIXED STATUS

MCS & MSCS Series

The Miniature Fixed Current Status" Switches are designed for use in any AC current monitoring application in which you are looking for a fixed trip point to monitor the "Go/No Go" (On/Off) "Status" for a particular piece of equipment. The fixed current switches should be installed on the line side of the power to the motor, pump, compressor or other equipment. All of the miniature current switches are available in both solid and split-core versions in a smaller enclosure style than that of the A/CS2 and A/SCS2 Series fixed current switches rated for higher operating currents. The solid-core versions are a great choice for new installations or OEM applications in which cost sensitivity, lower trip points and environmental issues may be of concern. The split-core version of the current switches work great in retrofit applications and for use in service vehicles since one part will work in most applications and can be installed without disconnecting any wires. Fixed status switches can also be used to determine the run time of your equipment when logging the contact closures on your building management system or PLC.

Applications: On/Off "Status" Indication, Local Alarms such as Strobes/Audible Alarms, Pumps, Fans, Compressors, Lighting Status and Usage Information, Ovens, Process Control, Industrial Equipment, OEM Opportunities

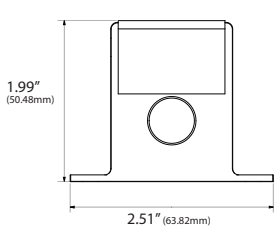
PRODUCT SPECIFICATIONS

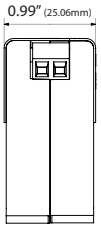
Monitored Current Type:	AC Current
Maximum AC Voltage:	600 VAC
Operating Frequency Range:	50/60 Hz
Core Style:	Solid-Core and Split-Core Versions available (See Ordering Grid)
Sensor Power:	Induced from the Monitored Conductor (Insulated Conductors only)
Amperage Range:	See Ordering Grid
Isolation Voltage:	2200 VAC
Trip Point Style | Adjustable Trip Point Range:	Fixed Trip Point | See Ordering Grid
Contact Type:	Normally-Open "N/O"
"Status" Contact Rating:	0.5A Continuous @ 36 VAC/VDC
"Status" Contact "On" Resistance | "Off" Resistance:	< 0.5 Ohms (tripped) | > 1 Meg Ohms (Open)
Response Time:	**A/MCS:** < 50 mS typical | **A/MSCS:** < 40 mS typical
Aperture Size (Diameter):	0.53" (13.46 mm)
Operating Temperature Range:	-22 to 140ºF (-30 to 60ºC)
Operating Humidity Range:	0 to 95%, non-condensing
Recommended Storage Temperature | RH Range:	41 to 95°F (5 to 35°C) | 40 to 85% RH, non-condensing
Enclosure Material | Flammability Rating:	PC/ABS (Polycarbonate/ABS Blend) | UL94-V0
Wiring Connections:	2 Position Screw Terminal Block (Not Polarity Sensitive)
Wire Size:	16 to 22 AWG (1.31 mm² to 0.33 mm²) Copper Wires only
Terminal Block Torque Rating:	4.43 to 5.31 in-lbs. (0.5 to 0.6 Nm)
Minimum Mounting Distance:	1" (2.6 cm) between current switch (Relays, Contactors, Transformers)
Agency Approvals[1]:	UL/CUL US Listed (UL 916) Energy Management Equipment (File # E334792), CE, RoHS2, WEEE
Product Weight:	**A/MCS:** 0.15 lbs. (0.068 kg) | **A/MSCS:** 0.20 lbs. (0.091 kg)
Product Dimensions (L x W x H):	**A/MCS (Solid-Core):** 2.510" (63.82 mm) x 0.940" (23.94 mm) x 2.000" (50.80 mm) **A/MSCS (Split-Core):** 2.650" (67.19 mm) x 0.940" (23.94 mm) x 2.380" (60.49 mm)

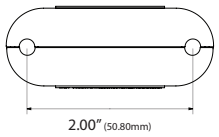
Note[1]: Maximum wire length not to exceed 98.4 Feet (30 meters) in order to meet the CE Requirements

DIMENSIONAL DRAWING

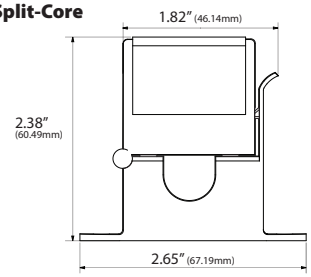
Solid-Core

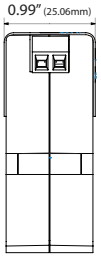


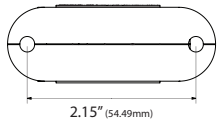




Split-Core







Front View **Right View** **Bottom View**

STANDARD ORDERING

Model # Example: A/MCS -OR- 117852

Model #	Item #	Trip Point Type	N/O	Solid-Core	Split-Core	Amp Range	Trip Point	Contact Rating
A/MCS	117852	Fixed Trip Point	•	•		0 to 150A	0.20A or less	0.5A @ 36VAC/VDC
A/MSCS	117853	Fixed Trip Point	•		•	0 to 150A	0.55A or less	0.5A @ 36VAC/VDC