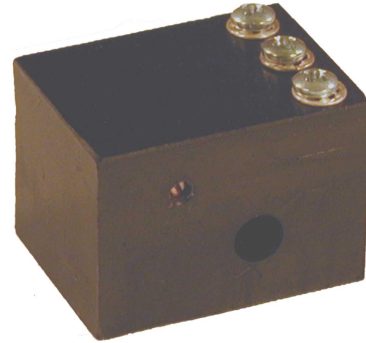


Low Cost, Single Phase, Open Collector Output

DESCRIPTION

Model 9153 is a small, low cost current switch with maximum currents of 25A, 50A, or 100 A. This single phase current sensor goes from high to low on trip. The current trip point is continuously adjustable.



SPECIFICATIONS

| | |
|--------------------------|--------------------------------------------------------------------|
| Sensing Ranges | 0.5-25A, 0.5-50A, 0.5-100A |
| Sensor Frequency Range | 50-60 Hz |
| Trip Point | Adjustable |
| Response Times | 20ms On, 100ms Off @ 60Hz 100µs On from Current Detection Point |
| Temperature Range | 0-70°C |
| Maximum Wire Size | 3/8" |
| Dimensions (L x W x H) | 1.4 x 1.05 x 1 inches |
| Connections | 4-40 Screw Terminals (3) |
| Operating Voltage | 3-36 VDC |
| Output Type | Normally High, Open Collector Transistor |
| Output Rating | 18mA max sink |
| Operating Current | 1mA @ 5VDC |

ORDERING

| Series | # of Sensors | Sensing Ranges |
|--------|--------------|--------------------------------------------|
| 9153 | A → 1 core | 1 → 0.5-25A 2 → 0.5-50A 3 → 0.5-100A |

FEATURES

- Encapsulated to prevent environmental and physical damage
- Solid-state
- Accommodate wires up to 3/8 inch
- Currents up to 100A
- Outputs are isolated from monitored lines

APPLICATIONS

- Protects motors
- Increases Motor Life
- Pumping
- Irrigation
- Conveyors
- Loaders
- Fans and Blowers
- Ovens and Heaters
- Waste Management
- Material Handling
- Industrial Process Control

