

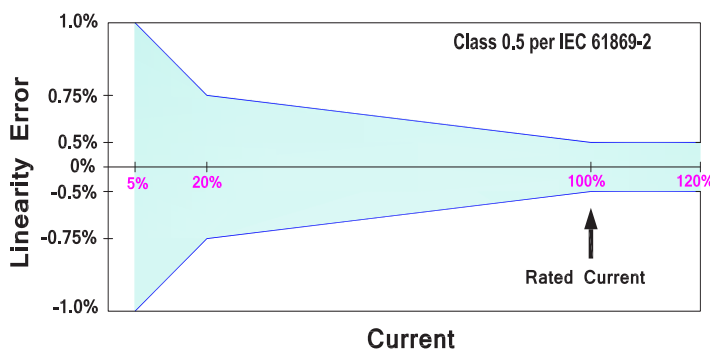
Revenue Grade, Split-Core AC Current Sensor SCT-075C

0.75" X 1.00" Opening with Ratings Up to 200 Amps

Magnelab's SCT-075C Series Current Sensors meets UL 2808 listed safety and IEC 61869-2 revenue grade accuracy class 0.5 with unprecedented linearity and superior phase angle up to 200 Amps passing through the center conductor. Split-core transformers are ideal for installation on existing electrical wiring by snapping around the conductor. The SCT series have a hinged self-locking mechanism. Custom outputs and other parameters are available

SPECIFICATIONS

Rated Primary Current	Up to 200 Amp (or custom amperage)
Rated Output	0.3333 V (AC) at rated current
Accuracy	50 A or higher $\pm 0.5\%$ IEC 61869-2, 0.6 ANSI C57.13
Phase angle	50 A or higher $< 0.5^\circ$ at Rated Current
Temperatures	UL Rated Ambient: 55°C Operating: -20°C to 105°C Storage: -40°C to 110°C
UL Relative Humidity Rating	85%
Leads	Length: 8 ft (2.4 m) 22 AWG twisted pair Rating: 600 V (UL 1015, UL 1213)
UL Max Voltage	600 V on Primary Conductor
RMS Voltage	3,800 V for AC insulation Test (1 min)
Rated Current Frequency	30-1,000 Hz
Certifications	UL 2808 Listed, CE, IEC 61869-2, RoHS
Weight Approx.	0.35 lbs (0.16 kg) with 8' leads



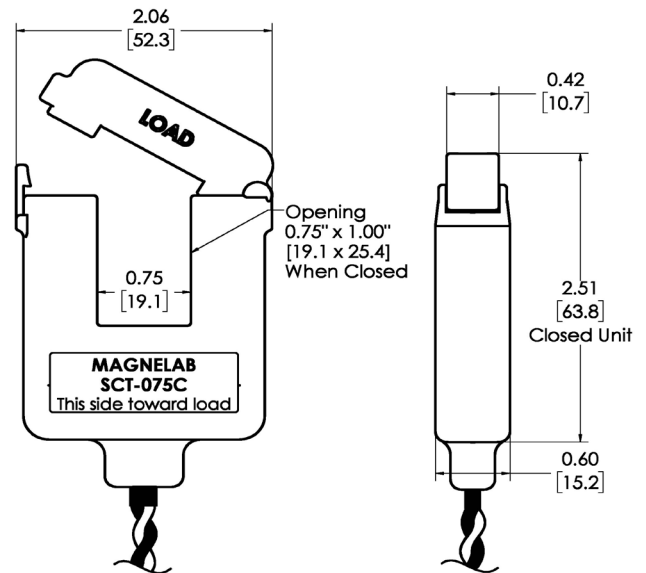
PART NUMBER	RATING
SCT-075C-000	No Burden Resistor*, 1:7500 Ratio
SCT-075C-050	50 Amp
SCT-075C-100	100 Amp
SCT-075C-200	200 Amp

*TVS diode limits the output voltage to 22V



APPLICATIONS

- Submetering
- Revenue-grade Metering
- Smart Home Energy Management System
- Power Generation Monitoring
- Industrial Pump Monitoring
- Solar Consumption Monitoring
- EV Charging Stations
- Substation LV/MV/HV
- Lifecycle Management of Equipment



Dimensions are in inches and millimeters



SCHEMATIC

