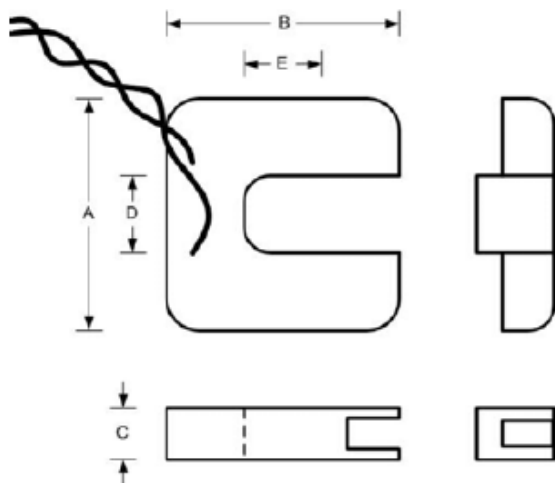
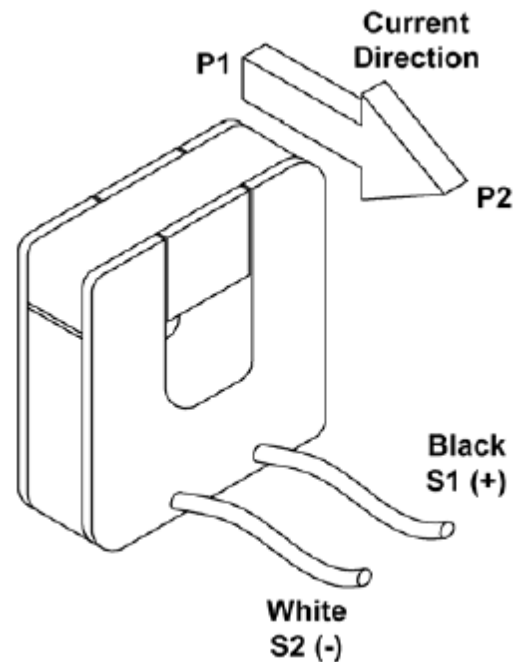


Split Current Sensors

SCT split Current Sensors are only suitable for use on insulated conductors.

Installation

- Isolate power in the primary conductors.
- Obtain the relevant schematic from the meter Installation and Operating Manual.
- Insert a finger through the hole and pull the split section to remove it from the CT. Keep the split section and main body of the CT together as a pair.
- Place the CT over the correct isolated primary conductor (see schematic). Note the secondary wires should be closest to the load (labelled P2 on the meter schematic).
- Replace the split section and push until it clicks firmly into place. The split section is polarised and will only fit the correct way round on the CT.
- Connect the secondary wires to the meter (S1, S2) as shown in the schematic.
- Check all wiring before re-energising the load.



CT RATING

50/0.33
100/0.33
200/0.33
400/0.33
800/0.33

Dimensions (mm ± 0.5mm)

A	B	C	D	E
40	50	17	17	17
51	53	17	19	19
51	53	17	19	19
82.5	85	27	32	32
121	127	32	51	51

Cable Length

SCT split current sensors are supplied with a captive output cable. If necessary, this can be extended but care must be taken to avoid pickup of electrical interference. The only critical cable specification is the insulation, which must be sufficient for the installation.

Specification

Electrical	
Nominal Input Current	
50/0.33	50 Amps
200/0.33	200 Amps
400/0.33	400 Amps
800/0.33	800 Amps
Output	0.333Vac
Frequency Range	50-60 Hz
Accuracy (0.1In — 1.3In)	± 1%
Phase Error	< 2° at 0.5In
Mechanical	
Enclosure	ABS to UL94V-0
Construction	Epoxy encapsulated
Insulation Voltage	600 Vrms
Environment	Indoor use only, altitude < 2000m
Operating Temp	-15°C to +60 °C
Humidity	Max 80% RH at 30°C Non-condensing
Output Connection	2m twisted pair cable, 0.34mm ² , UL 1015