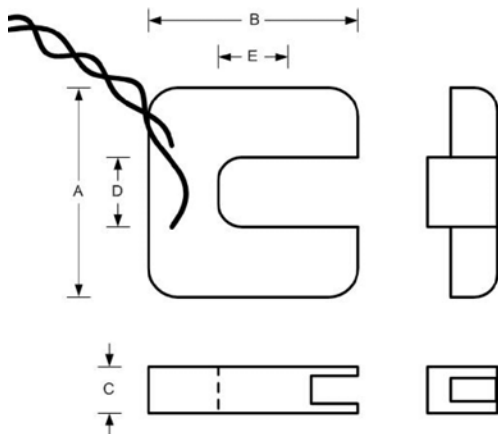
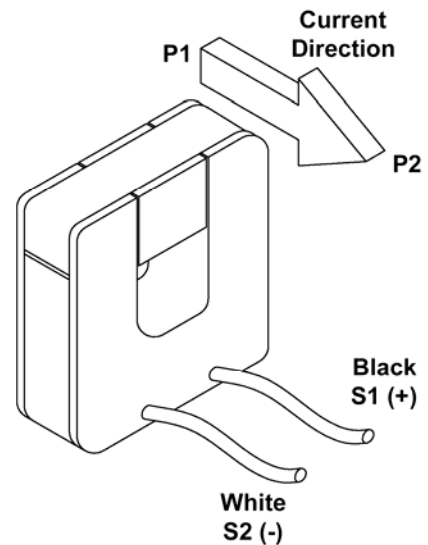


SCT split Current Sensors are only suitable for use on insulated conductors.

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.



Dimensions (mm ± 0.5mm)

Model	A	B	C	D	E
SCT19 – xxxx	51	53	17	19	19
SCT32 – xxxx	82.5	85	27	32	32
SCT51 – xxxx	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. Maximum recommended total cable length is 10m. The only critical cable specification is the insulation, which must be sufficient for the installation.

Brief Specification

Electrical	
Nominal Input Current I_n	
SCT19	5 Amp — 150 Amp
SCT32	70 Amp — 600 Amp
SCT51	600 Amp – 1500 Amp
Maximum Input Current I_{max}	
SCT19	200 Amp
SCT32	800 Amp
SCT51	2000 Amp
Output at I_n	0.333V _{ac}
Frequency Range	50-60 Hz
Accuracy (0.1 I_n — 1.3 I_n)	± 1%
Phase Error	< 2° at 0.5 I_n

Mechanical	
Enclosure	ABS to UL94V-0
Construction	Epoxy encapsulated
Insulation Voltage	600 V _{rms}
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