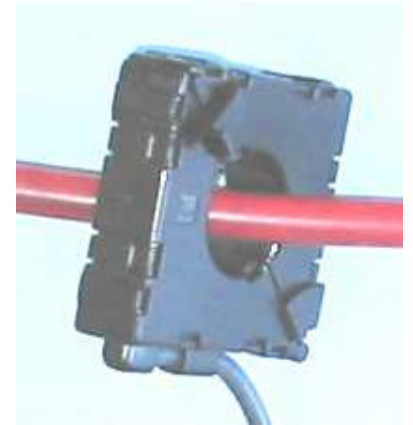


100A Splitcore Current Transformer SCT006

DESCRIPTION

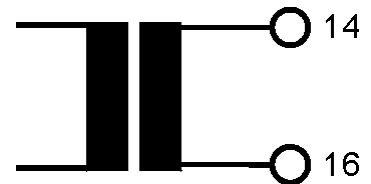
The Splitcore Current Transformer SCT006 allows module removal and refitting without open circuiting the primary current on any module with AC current input and reduces wiring costs. The splitcore concept allows fitting and removal without interfering with the load wiring. The option of using an external step-down CT will extend the range upto 100A. The SCT006 is itself a current transformer with a tail lead. Primary termination is achieved by means of one or more turns passed through the hole in the SCT006. Very high isolation levels are achieved as the primary conductors insulation level is added to the already high isolation level of the SCT006 (5kVrms). The SCT006 develops 0.5mA per Amp-turn in the secondary. The SCT006 secondary can be safely left short circuit or open circuit. The SCT006 may be used as the primary current metering transformer. Maximum rated primary current for the SCT006 is limited only by the size of the primary conductor. A combined linearity of 0.5% is available when the SCT006 is used with an APCS module and the recommended number of primary turns are used.



SPECIFICATION

Size:	52 W x 58 H x 15 D mm
Input termination:	Feed primary wire through 20 mm hole
Output termination:	1.5m cable
Protection class:	IP65
Weight:	0.460 kg
Housing material:	Duroplastic (type 31)
Input range:	25 A to 100 A.
Accuracy:	Combined accuracy when used with an A.P.C.S. module generally 0.5 % FSD
Temperature range:	-10 °C to +60 °C
Input/Output Isolation:	5kV rms
Maximum input drive:	100 amp-turns
Recommended primary turns:	< 25 A - 4 turns < 50 A - 2 turns < 100 A - 1 turn
Output Current:	Input current x number of primary turns x 0.5mA
Recommended Load Resistor:	10-20Ohm/0.5W
Frequency range:	25 Hz to 70 Hz
Open circuit	
Output voltage:	140Vpp

BLOCK DIAGRAM



TYPICAL APPLICATION

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