

Split Core CT 4-20mA LP SCT011

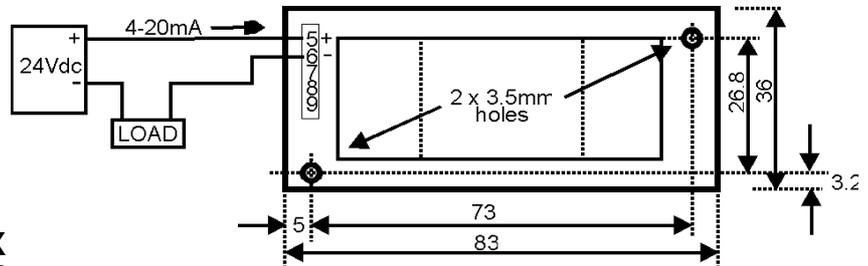
DESCRIPTION

The loop powered split core current transducer converts an AC current input signal into a 4-20mA signal. It uses electro-magnetic isolation theory to isolate its output from input, and can well filter the common-mode noise and interference from power lines. The transducer comes with features including good isolation, low drift, wide temperature range and easy installation. The split core concept facilitates 2-wire connection so that it can be widely used in computer or PLC based measuring and control systems and various automatic systems.



General Specifications

| | |
|----------------------|---|
| Rated Input: | 50/60Hz ranges from 5 to 400A |
| Output: | 4-20mA dc. T5 = +V, T6 = Signal No connections to all other terminals. |
| Response Time: | < 400ms |
| Accuracy: | < 1% For currents lower than 20A the conductor must be located in the centre of the aperture to maintain accuracy. |
| Load Capacity: | $Load_{max} = \frac{\text{Supply Voltage} - 11.5V}{0.02A} \Omega$ |
| Input Overdrive: | 20 times of span and <500A anyway (1 second, 5 times) |
| Temperature Drift: | 500ppm/°C |
| Isolation: | 2500V DC / 1 minute |
| Power Supply: | 4-20mA loop powered |
| Operate Temperature: | 0-50°C |
| Mount: | 35mm DIN rail mounting or two M3 screws for surface mounting |
| Diameter of Aperture | 31mm |
| Diameter of Opening | 50mm |
| Size: | 36mm x 83mm x 93mm |
| Weight: | 0.15kg |



Ordering Code SCT011 - XXX

- Input: _____
- 005 = 5Aac
 - 010 = 10Aac
 - 020 = 20Aac
 - 050 = 50Aac
 - 100 = 100Aac
 - 200 = 200Aac
 - 300 = 300Aac
 - 400 = 400Aac

NOTE
For currents lower than 20A the conductor must be located in the centre of the aperture to maintain accuracy.

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