

# Split Core CT 4-20mA LP SCT011

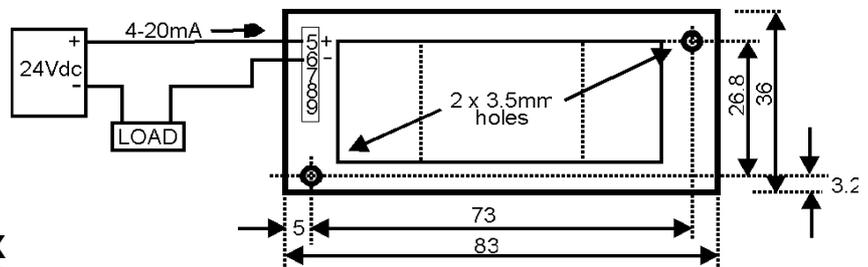
## DESCRIPTION

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:  $Load_{max} = \frac{Supply\ Voltage - 11.5V}{0.02A} \Omega$
- 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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