

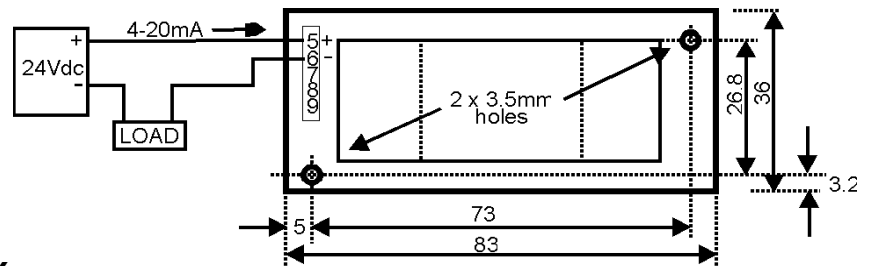
DESCRIPTION

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
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.

Other current ranges will be available if required.

*) Price Extra..

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