

ASC50X Current Transducer

- Split core CT for easy Installation
- Loop powered, reducing wiring
- 2 year warranty as standard
- CE compliant
- Connect directly to PLC
- Can be used for measuring AC, DC, pulsed and mixed current

APPLICATION

- DC current monitoring.
- Current signal conditioning.

TECHNICAL SPECIFICATION

INPUT

Current can be specified in the range of:
0 - $\pm 50A$ DC

OUTPUT

0 - 4V ($\pm 1\%$)

SUPPLY

$\pm 15V$ ($\pm 5\%$)

PERFORMANCE

Linearity: $< \pm 1\%$

Accuracy: $< \pm 5\%$

Consumption: $< 20mA + I_{out}$

Freq Bandwidth: DC to 20kHz

CONTROLS

1 turn potentiometers for output calibration.

Zero: $\pm 25\%$

Span: $\pm 25\%$

PROTECTION

Isolation 3000V RMS. Input / Output / Case

Input over range up to 300% continuous.

Enclosure: ABS (UL 94V-0) / Encapsulation

ENVIRONMENTAL CONDITION

Storage temperature: -40 to $+100^{\circ}C$

Operating Ambient: -25 to $85^{\circ}C$

Relative Humidity: 20 to 95% RH

Temp Coefficient: $< 0.05\%/^{\circ}C$

MOUNTING

Mounting: Surface or Busbar

Weight $< 55g$

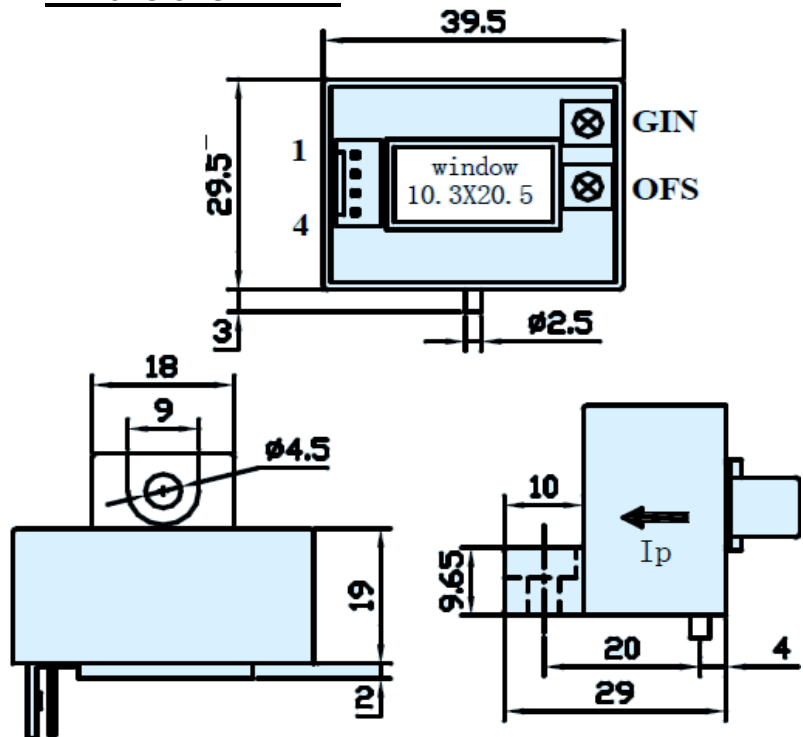
Installation: CAT II

CUSTOMER TERMINALS

Molex connector supplied



Dimensions in mm:



1: +15V 2: -15V 3: V_{OUT} 4: 0V(GND)

OFS: Zero GIN: Gain

SAFETY NOTE:

Although the voltage(s) directly connected to this instrument and its internal voltages are low, the cable running through the core may carry dangerous high voltage. For this reason, this product should only be installed by a competent person. If the unit fails to operate correctly then first check if the wiring is correct. Under no circumstance is the unit to be taken apart to gain access to internal circuitry for any reason whilst it has live cable through the core.