



Speciality Magnetic Components
QUALIFIED to ISO STANDARD

Open Loop Hall Effect Current Transformer Type HOL



The HOL series are Open Loop Hall Effect Current Transformers covering the range of 100A to 1000A. The product provides a voltage output which is galvanically isolated from the primary conductor. Designed to be panel mounted, the HOL series is controlled via an industry standard connector.

Features

- Low Supply Current Consumption
- 5kV Proof Stress
- Panel Mounting
- Designed in Quality

Applications

- Automotive
- Variable Speed Drives
- D.C. Power Supplies
- UPS Systems

Benefits

- Reduced Power Supply Costs
- Useable with Bare Primary Conductors
- Horizontal or Vertical Mounting
- High Reliability

- Power System Monitoring
- Welding Equipment
- Traction
- Switch Mode Power Supplies

TECHNICAL DATA

Product Type	HOL	100	200	300	400	500	600	1000
Nominal Primary Current (I_{PN})		100	200	300	400	500	600	1000
Primary Current measuring range 0 to	±300	±600	±900	±1100	±1200	±1300	±1500	

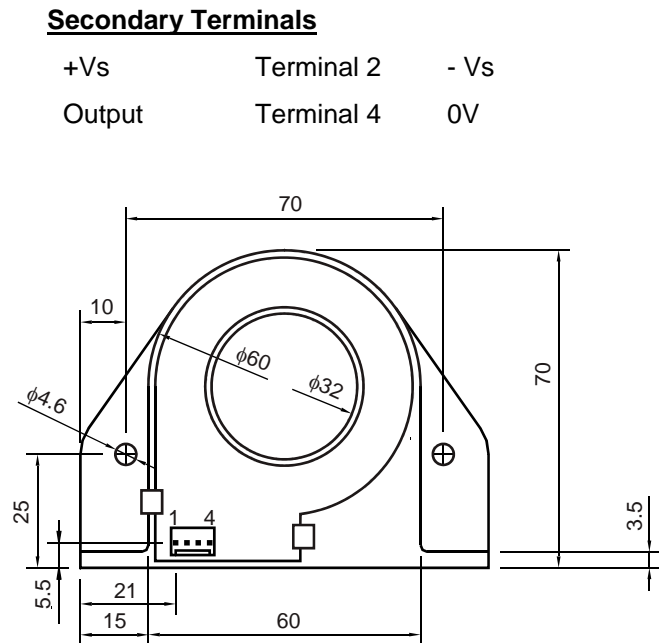
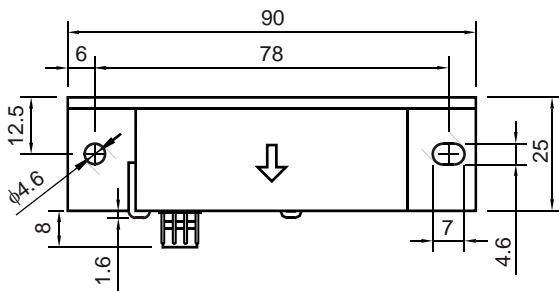
SPECIFICATION

Nominal Power Supply	±15V +5% to ±12 - 5%
Supply Current (max)	20 Ma
Load Resistance	1 kΩ min.
Output Voltage @ ± I _{PN}	± 4 V
RMS Rated Voltage ¹	500 V
Isolation Resistance @ 500 Volts	>500 MΩ
AC Accuracy ² @ 25°C, ±15V @ I _{PN rms} 50Hz	±1% of nominal primary current
Linearity ²	±0.5%
Output Offset @ 25°C	± 10 mV at primary=0
Output Offset Drift -25 to +85°C	± 1 mV/°C
Thermal Drift of Gain -25 to +85°C	± 0.05 %/°C
Response Time	< 3 μs
di/dt following	> 50 A/μs
Bandwidth (- 3 dB)	DC to 50 kHz
Creepage Distance	>15 mm
Clearance Distance	>15 mm
RMS Voltage Isolation Test, 50 Hz 1min	5 kV

GENERAL

Operating & Storage Temperature Range	-25 to +85°C
Weight	200g
Housing	PA66 15% Glass Filled Flammability Rating V0 , CTI Rating >140
Connector	Molex 5046-04/A
Mounting	Panel Mounting
Signal Sense	Positive output obtained when current flows as shown by direction of arrow

Dimensions



¹ Overvoltage category III, Pollution Degree 2

² Excludes the zero offset

Secondary Terminals

Terminal 1	+Vs	Terminal 2	- Vs
Terminal 3	Output	Terminal 4	0V