

## HALL EFFECT CT 22mm Aperture (0-50~800A) HCT029

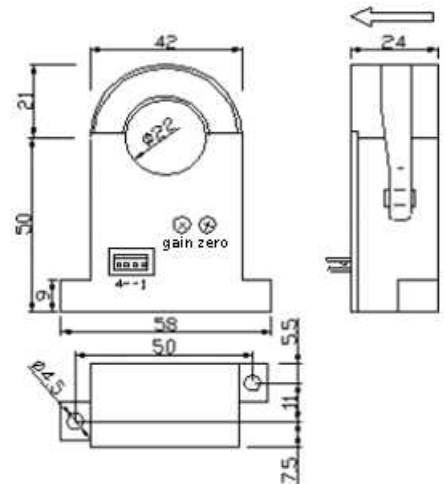
### DESCRIPTION

The Hall effect current sensor provides strong electrical isolation between the output of the sensor and the current carrying conductor. The output of the sensor reflects the real wave shape of DC, AC and pulsed currents of the primary circuit.

The aperture can be unclipped to fit over existing cables.

### General Specifications

Input Current:	+/- 50A <sub>dc</sub> to +/- 800A <sub>dc</sub> available.
Measurement Output:	+/- 5V <sub>dc</sub>
Response time T <sub>90</sub> :	10μs
Accuracy	1%
Linearity error:	< 0.4%
Offset voltage	±20mV
Hysteresis error	±10mV
Output impedance:	100Ω
Minimum output load:	8k2Ω
recommended output load:	≥15kΩ
Zero adjustment:	± 2%
Span adjustment:	± 20%
Temperature drift	≤500ppm/°C
Current consumption	≤25mA
Power Supply:	± 15V <sub>dc</sub> ± 5% regulated
Isolation	3 kV <sub>rms</sub> / 50Hz / min
Overload:	16000A
Operating temperature range	-10°C~+80°C
Storage temperature range	-25°C~85°C
Fire redundancy	UL94-V0

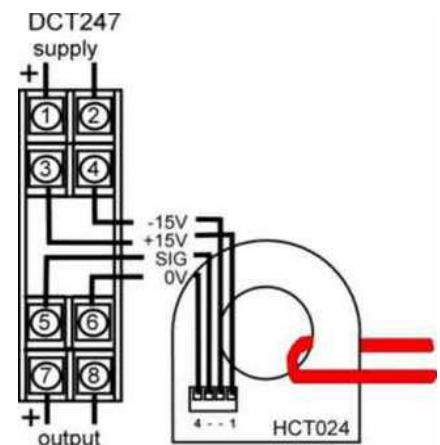


### Ordering Information

HCT029-050 = 50A input  
 HCT029-400 = 400A input  
 HCT029-800 = 800A input

### Application

The HCT029 is designed for use with the DCT247. The DCT247 is a din mounted signal conditioning module for monitoring of DC and true RMS AC currents and provides a standard process signal output or relay contact.



In the interest of development and improvement, APCS reserve the right to amend, without notice, details contained in this publication. APCS will accept no legal liability for any errors, omissions or amendments.