Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

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C/CT Series High Current AC, Snap-on Type

Overview

The C/CT–1216 clamp-on current sensor can be used to measure currents in live wires.

Applications

Typical applications include EMS current measurement, high performance distributions boards, power conditioners, power monitoring systems, inverters and industrial machineries.

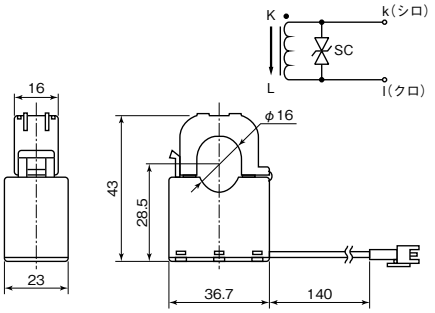
Benefits

- Compact and slim design
- Flat temperature characteristics
- Flame retardant
- RoHS compliant

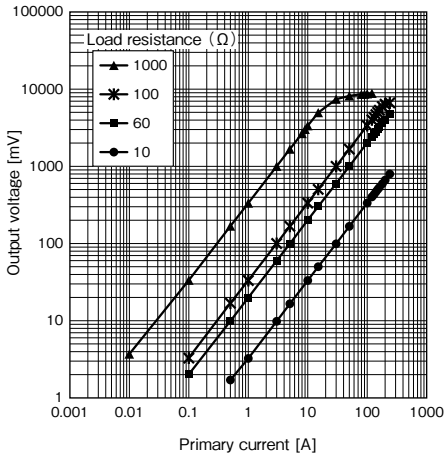
Ordering Information

C/CT-	12	16
Series	Rated Current (A)	Diameter (mm)
C/CT	12 = 120	16

Dimensions in mm



Output Characteristics



Environmental Compliance

All C/CT sensors are RoHS compliant.

Temperature Charateristics

Operating Temperature Range (°C)	Storage Temperature Range (°C)
–20 to 60	–20 to 80

Table 1 – Ratings & Part Number Reference

Part Number	Rated Current[1] (A)	Applicable Current[1] (A)	Output Voltage[2] (mV)	Current Transformation Ratio	Output Protection (V)	Insulation Resistance
C/CT–1216	120	0.1 – 120	1,000+/–20	3,000	7.5	500 VDC to 100 MΩ

[1] *50Hz/60Hz*

[2] *Measurement conditions from output voltage: f = 50 Hz, R = 60 Ω, Io = 50 A*

Precautions

Before Using High Alternating Current Sensors, Snap-on Type

- Do NOT drop or apply any other mechanical stress.
- Preliminary study is required when heating by current conduction.
- Do NOT use the High Alternating Current Sensors, Snap-on Type, opened between secondary output terminals. Heat build-up in the magnetic core may occur, resulting in damages to the parts by melting of the coil.

KEMET Electronic Corporation Sales Offices

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Although all product–related warnings, cautions and notes must be observed, the customer should not assume that all safety measures are indicted or that other measures may not be required.