

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

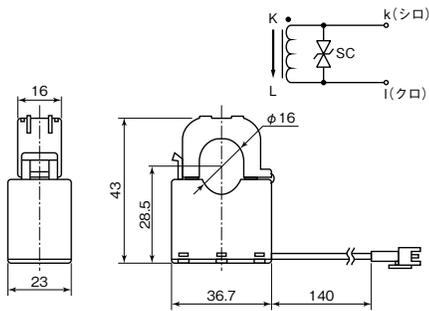
- Compact and slim design
- Flat temperature characteristics
- Flame retardant
- RoHS compliant



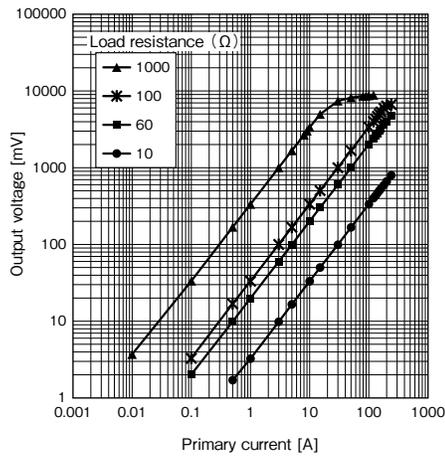
Ordering Information

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 Characteristics

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: $f = 50 \text{ Hz}$, $R = 60 \Omega$, $I_o = 50 \text{ A}$

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 Corporation World Headquarters

2835 KEMET Way
Simpsonville, SC 29681

Mailing Address:
P.O. Box 5928
Greenville, SC 29606

www.kemet.com
Tel: 864-963-6300
Fax: 864-963-6521

Corporate Offices
Fort Lauderdale, FL
Tel: 954-766-2800

North America

Northeast
Wilmington, MA
Tel: 978-658-1663

Southeast
Lake Mary, FL
Tel: 407-855-8886

Central
Novi, MI
Tel: 248-994-1030

Irving, TX
Tel: 972-915-6041

West
Milpitas, CA
Tel: 408-433-9950

Mexico
Guadalajara, Jalisco
Tel: 52-33-3123-2141

Europe

Southern Europe
Sasso Marconi, Italy
Tel: 39-051-939111

Skopje, Macedonia
Tel: 389-2-55-14-623

Central Europe
Landsberg, Germany
Tel: 49-8191-3350800

Kamen, Germany
Tel: 49-2307-438110

Northern Europe
Wyboston, United Kingdom
Tel: 44-1480-273082

Espoo, Finland
Tel: 358-9-5406-5000

Asia

Northeast Asia
Hong Kong
Tel: 852-2305-1168

Shenzhen, China
Tel: 86-755-2518-1306

Beijing, China
Tel: 86-10-5877-1075

Shanghai, China
Tel: 86-21-6447-0707

Seoul, South Korea
Tel: 82-2-6294-0550

Taipei, Taiwan
Tel: 886-2-27528585

Southeast Asia
Singapore
Tel: 65-6701-8033

Penang, Malaysia
Tel: 60-4-6430200

Bangalore, India
Tel: 91-806-53-76817

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