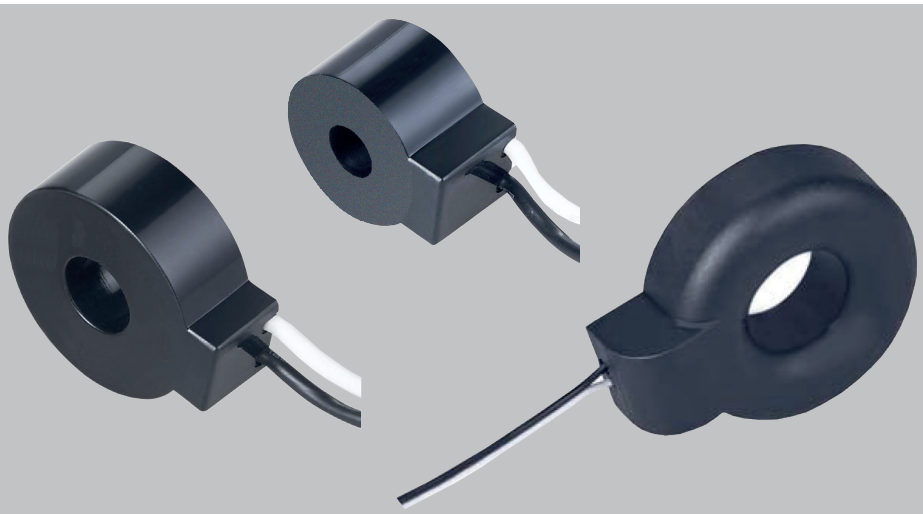
Smart Energy & Power Quality Solutions



Doc. no. 2.204.041.1.e 10/2026

Low Power Plug-in Current Transformer

CT-009
CT-012
CT-019

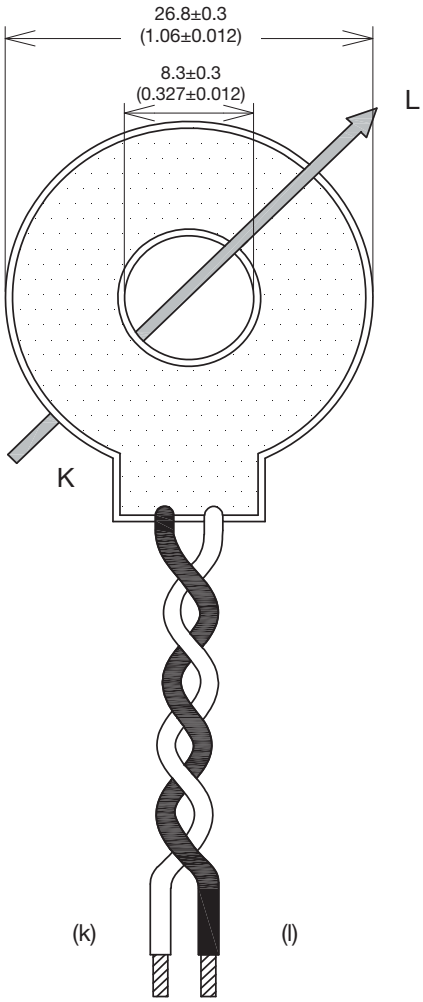
Data Sheet

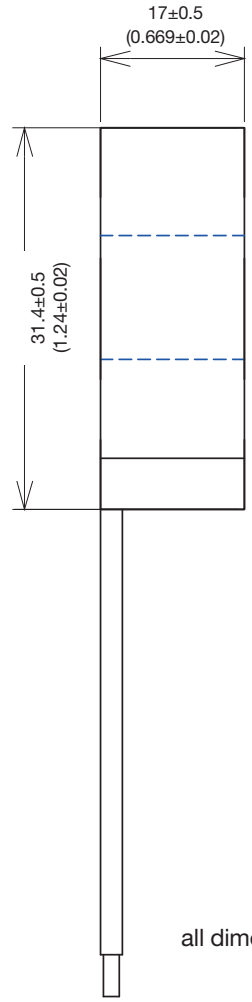
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TECHNICAL DATA & DIMENSIONS

CT-009-500-50



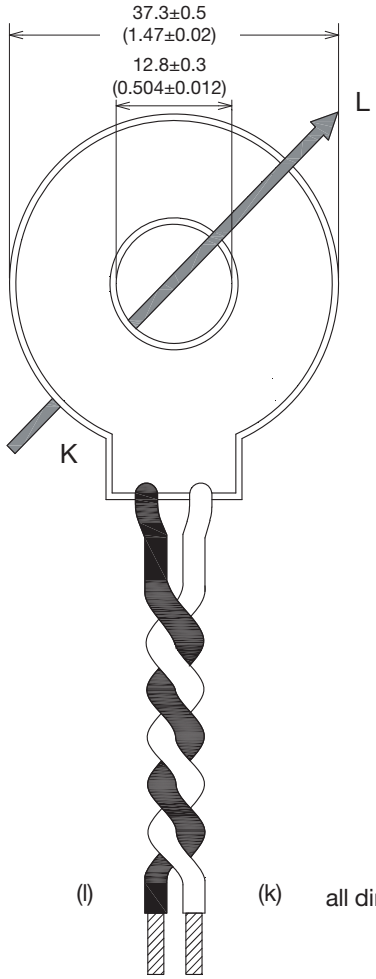


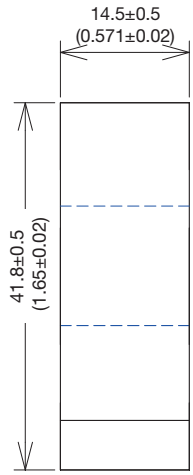


all dimensions in mm (in)

Specification	Data
Primary current	50 A
Round conductor	8.3 mm (0.327 in)
Approx. weight	190 g (0.419 lb)
Output signal	333 mV
Overload capacity	120 %
PVC connection wires	18 AWG
Accuracy class	0.5
Frequency	50 .. 60 Hz
Insulation voltage	3510 V/5 S
Working temperature	-15 .. 70 °C (5 .. 158 °F)
Storage temperature	-25 .. 85 °C (-13 .. 185 °F)
Standards	RoHS compliant, UL 2808, IEC61010-1
Housing	Rigid housing case with UL 94 V-0 durable plastic
Phase error at nominal current	≤0.5°
Insulation resistance	DC 500 V / 100 MΩ min
Cable tie mounting	No

CT-012-500-100



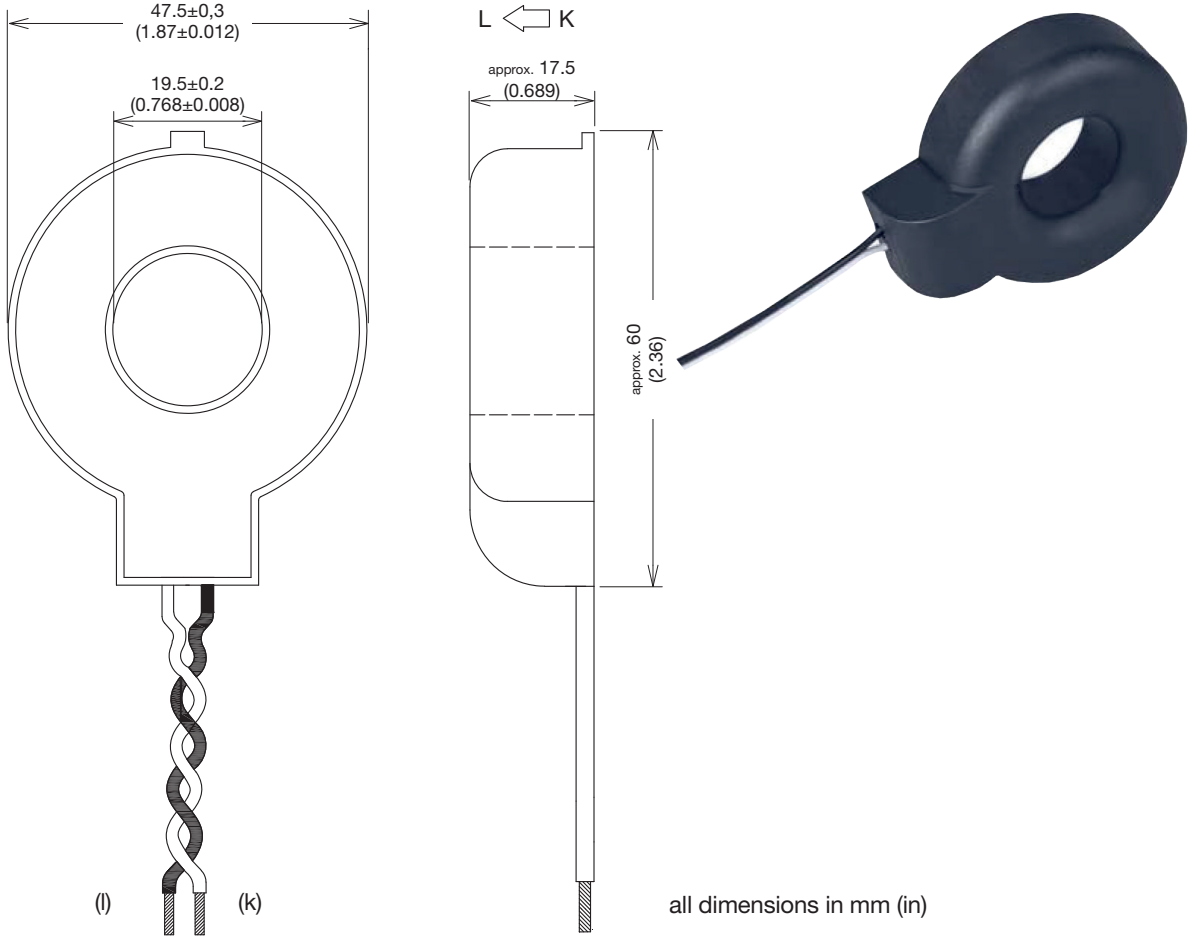




all dimensions in mm (in)

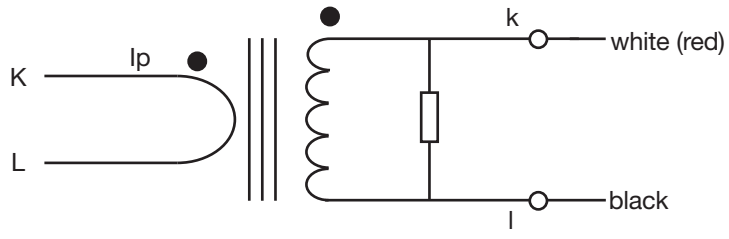
Specification	Data
Primary current	100 A
Round conductor	12.8 mm (0.504 in)
Approx. weight	200 g (0.44 lb)
Output signal	333 mV
Overload capacity	120 %
PVC connection wires	18 AWG
Accuracy class	0.5
Frequency	50 .. 60 Hz
Insulation voltage	3510 V/5 S
Working temperature	-15 .. 70 °C (5 .. 158 °F)
Storage temperature	-25 .. 85 °C (-13 .. 185 °F)
Standards	RoHS compliant, UL 2808, IEC61010-1
Housing	Rigid housing case with UL 94 V-0 durable plastic
Phase error at nominal current	≤0.5°
Insulation resistance	DC 500 V / 100 MΩ min
Cable tie mounting	No

CT-019-500-250



Specification	Data
Primary current	250 A
Round conductor	19.5 mm (0.768 in)
Approx. weight	245 g (0.54 lb)
Output signal	333 mV
Overload capacity	120 %
PVC connection wires	18 AWG
Accuracy class	0.5
Frequency	50 .. 60 Hz
Insulation voltage	7400 V_{ac}/5 S
Working temperature	-10 .. 65 °C (14 .. 149 °F)
Storage temperature	-25 .. 85 °C (-13 .. 185 °F)
Standards	ANSI C57.13, IEC61869-2, RoHS compliant
Housing	Rigid housing case with UL 94 V-0 durable plastic
Phase error at nominal current	≤0.5˚
Insulation resistance	DC 500 V / 100 MΩ min
Cable tie mounting	No

CONNECTION



Applications
Energy measurement products
Load monitoring
Network equipment
Instruments and sensors
Control systems

OVERVIEW & PART NUMBER

Type	Part number	Primary current	Ø mm (in)	Cable length m (in)	Accuracy class
CT-009-500-50	1503344	50 A	8.3 (0.327)	5	0.5
CT-012-500-100	1503345	100 A	12.8 (0.504)	5	0.5
CT-019-500-250	1503346	250 A	19.5 (0.768)	5	0.5

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