

333 mV split core current sensors

Low current ranges

- 30 to 400 A

Description

Split core AC current sensors have different hole sizes and current ratings to suit any application. Split core models are perfect for retrofits. Output is fixed at the industry standard of 0 to 333 mV.

Applications

- Data logging
- Recording
- Power monitoring
- Energy management
- Alternative energy monitoring
- Cost allocation

Features

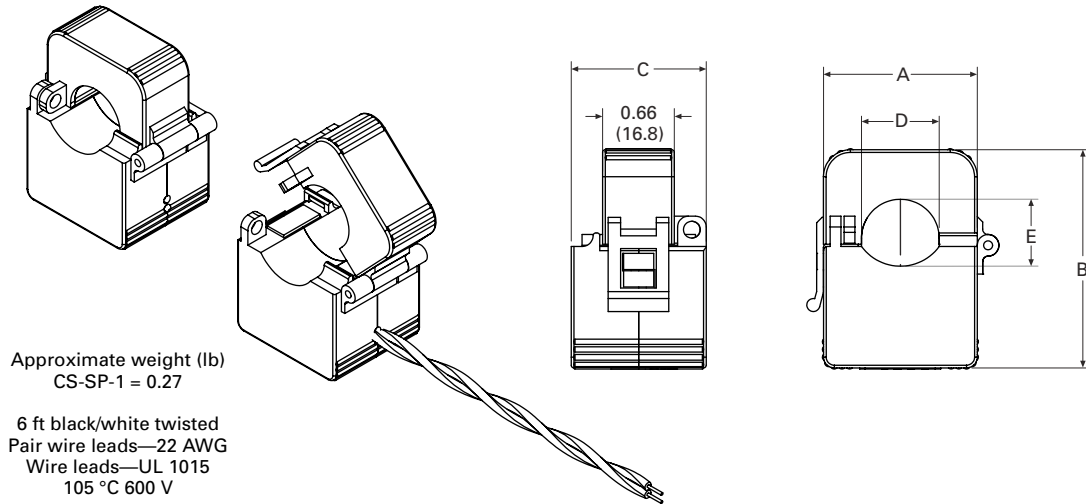
- High accuracy at 10–120% of rated current
- 0 to 333 mV standard output: compatible with existing systems
- Swing open for ease of installation (**CS-SP-1** through **CS-SP-4** series)
- Double secured latches per side and keying holes (**CS-SP-5** and **CS-SP-6**)
- Rigid housing case with UL® 94V-0 durable plastic
- ETL recognized

Specifications

Item	Specification
Inputs	
Frequency range	40–400 Hz
Voltage rating	600 Vac, Category III (CS-SP-2 through CS-SP-6)
Accuracy range	10–120% of rated current
Outputs	
Output at rated current	333 mV
Environmental	
Operating temperature range	–15 °C to +65 °C (+5 °F to +149 °F)
Storage temperature range	–20 °C to +85 °C (–4 °F to +185 °F)
Pollution degree	PD2 (CS-SP-2 through CS-SP-6)
Altitude	6600 ft (2000 m)
Lead length	6 ft black/white twisted pair wire leads—16, 18 and 22 AWG
Certifications	ETL, RoHS
Specifications	IEEE® C57.13, IEC 60044-1, ANSI C12.20 Standards UL 61010-1 and CAN/CSA® C22.2 No. 61010-1 (CS-SP-2 through CS-SP-6) IEC 61010-2-032 (CS-SP-2 through CS-SP-6)



Powering Business Worldwide



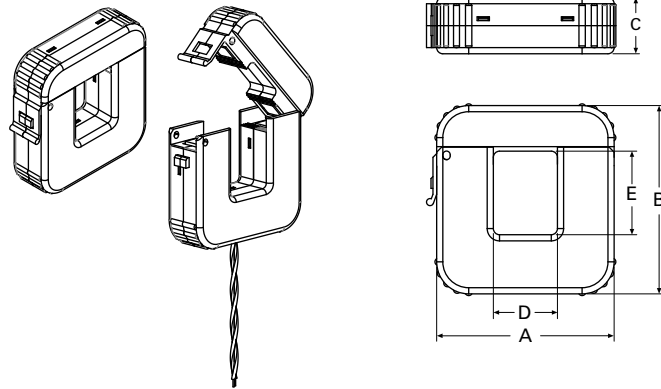
Split core CS-SP-1 series approximate dimensions in inches (mm)

Note: The CS-SP-1 series is not for use with PXMP.

Model number	Description	A	B	C	D	E
CS-SP-1-030-333MV	Split core CS 30 A / 333 mV, 1.0% accuracy, 0.72 in x 0.62 in	1.42 (36.2)	2.03 (51.6)	1.25 (31.8)	0.72 (18.3)	0.62 (15.7)
CS-SP-1-060-333MV	Split core CS 60 A / 333 mV, 0.5% accuracy, 0.72 in x 0.62 in	1.42 (36.2)	2.03 (51.6)	1.25 (31.8)	0.72 (18.3)	0.62 (15.7)
CS-SP-1-080-333MV	Split core CS 80 A / 333 mV, 0.5% accuracy, 0.72 in x 0.62 in	1.42 (36.2)	2.03 (51.6)	1.25 (31.8)	0.72 (18.3)	0.62 (15.7)
CS-SP-1-100-333MV	Split core CS 100 A / 333 mV, 0.5% accuracy, 0.72 in x 0.62 in	1.42 (36.2)	2.03 (51.6)	1.25 (31.8)	0.72 (18.3)	0.62 (15.7)

Approximate weight (lb)
CS-SP-2 = 0.50
CS-SP-3 = 0.31
CS-SP-4 = 1.10

6 ft black/white twisted
Pair wire leads—22
(CS-SP-2 and CS-SP-3 series)
and 18 (CS-SP-4 series) AWG
Wire leads—UL 1015
105 °C 600 V

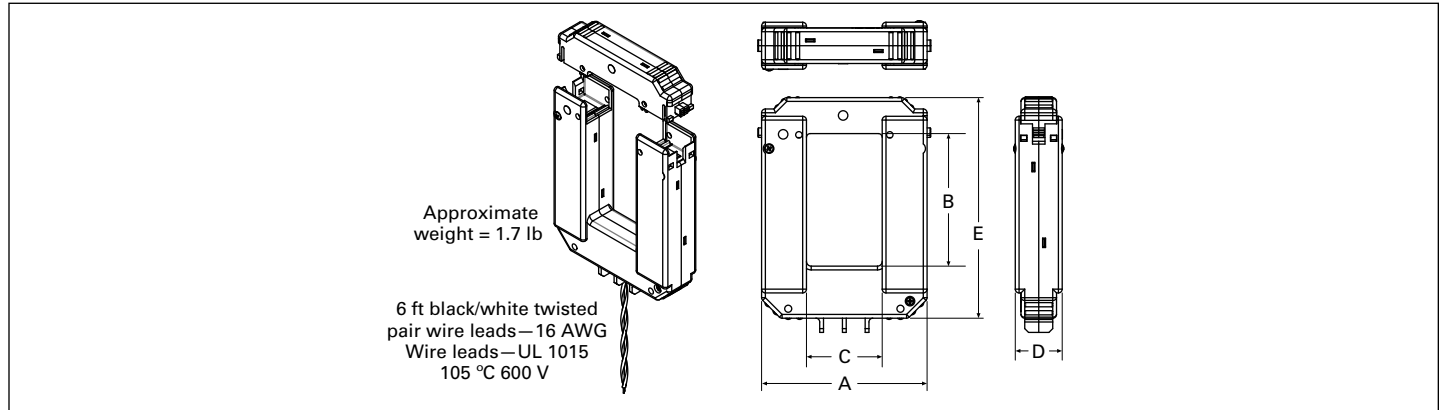


Split core CS-SP-2 through CS-SP-4 series approximate dimensions in inches (mm)

Model number	Description	A	B	C	D	E
CS-SP-2-100-333MV	Split core CS 100 A / 333 mV, 0.5% accuracy, 1.0 in x 1.4 in	2.50 (63.5)	2.79 (70.9)	0.90 (22.9)	1.00 (25.4)	1.40 (35.6)
CS-SP-2-200-333MV	Split core CS 200 A / 333 mV, 0.5% accuracy, 1.0 in x 1.4 in	2.50 (63.5)	2.79 (70.9)	0.90 (22.9)	1.00 (25.4)	1.40 (35.6)
CS-SP-2-300-333MV	Split core CS 300 A / 333 mV, 0.5% accuracy, 1.0 in x 1.4 in	2.50 (63.5)	2.79 (70.9)	0.90 (22.9)	1.00 (25.4)	1.40 (35.6)
CS-SP-2-400-333MV	Split core CS 400 A / 333 mV, 0.5% accuracy, 1.0 in x 1.4 in	2.50 (63.5)	2.79 (70.9)	0.90 (22.9)	1.00 (25.4)	1.40 (35.6)
CS-SP-3-030-333MV	Split core CS 30 A / 333 mV, 1.0% accuracy, 0.75 in x 0.93 in	2.00 (50.8)	2.13 (54.0)	0.70 (17.8)	0.75 (19.1)	0.93 (23.6)
CS-SP-3-060-333MV	Split core CS 60 A / 333 mV, 0.75% accuracy, 0.75 in x 0.93 in	2.00 (50.8)	2.13 (54.0)	0.70 (17.8)	0.75 (19.1)	0.93 (23.6)
CS-SP-3-100-333MV	Split core CS 100 A / 333 mV, 0.5% accuracy, 0.75 in x 0.93 in	2.00 (50.8)	2.13 (54.0)	0.70 (17.8)	0.75 (19.1)	0.93 (23.6)
CS-SP-3-200-333MV	Split core CS 200 A / 333 mV, 0.5% accuracy, 0.75 in x 0.93 in	2.00 (50.8)	2.13 (54.0)	0.70 (17.8)	0.75 (19.1)	0.93 (23.6)
CS-SP-3-300-333MV	Split core CS 300 A / 333 mV, 0.5% accuracy, 0.75 in x 0.93 in	2.00 (50.8)	2.13 (54.0)	0.70 (17.8)	0.75 (19.1)	0.93 (23.6)
CS-SP-4-100-333MV	Split core, CS 100 A / 333 mV, 1.0% accuracy, 1.30 in x 1.70 in	3.60 (91.4)	3.82 (97.0)	1.14 (29.0)	1.30 (33.0)	1.70 (43.2)
CS-SP-4-200-333MV	Split core, CS 200 A / 333 mV, 0.5% accuracy, 1.30 in x 1.70 in	3.60 (91.4)	3.82 (97.0)	1.14 (29.0)	1.30 (33.0)	1.70 (43.2)
CS-SP-4-300-333MV	Split core, CS 300 A / 333 mV, 0.5% accuracy, 1.30 in x 1.70 in	3.60 (91.4)	3.82 (97.0)	1.14 (29.0)	1.30 (33.0)	1.70 (43.2)
CS-SP-4-400-333MV	Split core, CS 400 A / 333 mV, 0.5% accuracy, 1.30 in x 1.70 in	3.60 (91.4)	3.82 (97.0)	1.14 (29.0)	1.30 (33.0)	1.70 (43.2)

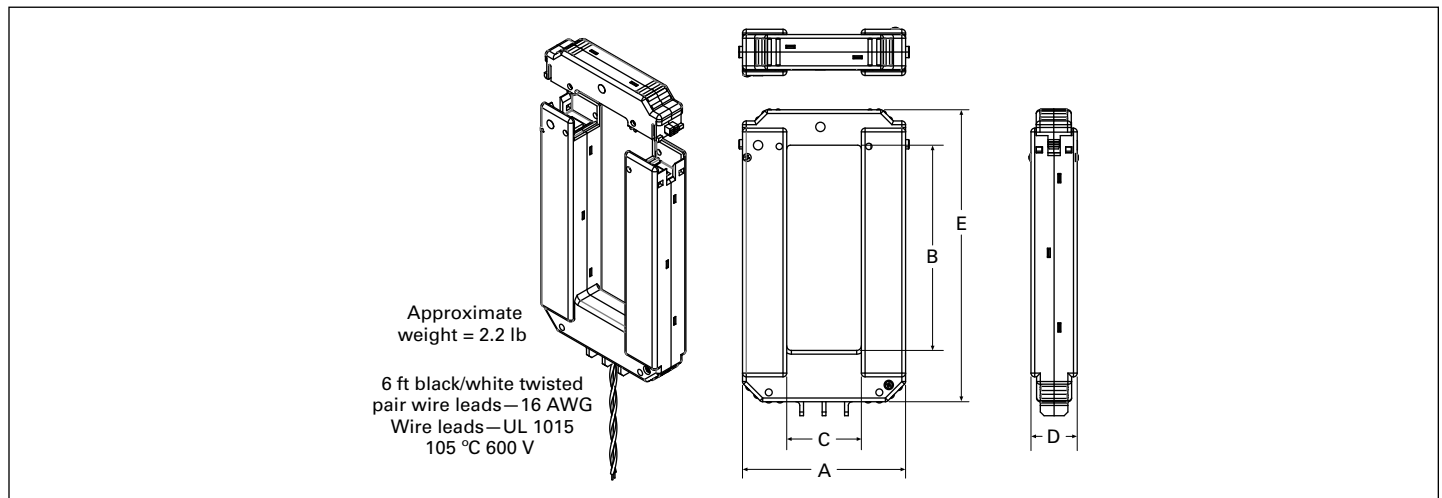
High current ranges

- 200 to 2000 A



Split core CS-SP-5 approximate dimensions in inches (mm)

Model number	Description	A	B	C	D	E
CS-SP-5-200-333MV	Split core, CS 200 A / 333 mV, 1.0% accuracy, 2.00 in x 3.50 in	4.37 (111.0)	3.50 (88.9)	2.00 (50.8)	1.24 (31.5)	5.83 (148.1)
CS-SP-5-400-333MV	Split core, CS 400 A / 333 mV, 0.6% accuracy, 2.00 in x 3.50 in	4.37 (111.0)	3.50 (88.9)	2.00 (50.8)	1.24 (31.5)	5.83 (148.1)
CS-SP-5-600-333MV	Split core, CS 600 A / 333 mV, 0.5% accuracy, 2.00 in x 3.50 in	4.37 (111.0)	3.50 (88.9)	2.00 (50.8)	1.24 (31.5)	5.83 (148.1)
CS-SP-5-800-333MV	Split core, CS 800 A / 333 mV, 0.5% accuracy, 2.00 in x 3.50 in	4.37 (111.0)	3.50 (88.9)	2.00 (50.8)	1.24 (31.5)	5.83 (148.1)
CS-SP-5-1000-333MV	Split core, CS 1000 A / 333 mV, 0.5% accuracy, 2.00 in x 3.50 in	4.37 (111.0)	3.50 (88.9)	2.00 (50.8)	1.24 (31.5)	5.83 (148.1)



Split core CS-SP-6 approximate dimensions in inches (mm)

Model number	Description	A	B	C	D	E
CS-SP-6-400-333MV	Split core, CS 400 A / 333 mV, 1.0% accuracy, 2.00 in x 5.50 in	4.37 (111.0)	5.50 (139.7)	2.00 (50.8)	1.24 (31.5)	7.83 (198.9)
CS-SP-6-600-333MV	Split core, CS 600 A / 333 mV, 0.7% accuracy, 2.00 in x 5.50 in	4.37 (111.0)	5.50 (139.7)	2.00 (50.8)	1.24 (31.5)	7.83 (198.9)
CS-SP-6-800-333MV	Split core, CS 800 A / 333 mV, 0.5% accuracy, 2.00 in x 5.50 in	4.37 (111.0)	5.50 (139.7)	2.00 (50.8)	1.24 (31.5)	7.83 (198.9)
CS-SP-6-1000-333MV	Split core, CS 1000 A / 333 mV, 0.5% accuracy, 2.00 in x 5.50 in	4.37 (111.0)	5.50 (139.7)	2.00 (50.8)	1.24 (31.5)	7.83 (198.9)
CS-SP-6-1200-333MV	Split core, CS 1200 A / 333 mV, 0.5% accuracy, 2.00 in x 5.50 in	4.37 (111.0)	5.50 (139.7)	2.00 (50.8)	1.24 (31.5)	7.83 (198.9)
CS-SP-6-1600-333MV	Split core, CS 1600 A / 333 mV, 0.5% accuracy, 2.00 in x 5.50 in	4.37 (111.0)	5.50 (139.7)	2.00 (50.8)	1.24 (31.5)	7.83 (198.9)
CS-SP-6-2000-333MV	Split core, CS 2000 A / 333 mV, 0.5% accuracy, 2.00 in x 5.50 in	4.37 (111.0)	5.50 (139.7)	2.00 (50.8)	1.24 (31.5)	7.83 (198.9)

Eaton
1000 Eaton Boulevard
Cleveland, OH 44122
United States
Eaton.com

© 2015 Eaton
All Rights Reserved
Printed in USA
Publication No. TD121001EN / Z16509
May 2015



Eaton is a registered trademark.

All other trademarks are property
of their respective owners.