

Product data sheet

Specifications



BCPM power monitoring intermediate - 42 split core CT 50 A

BCPMSCB42S

⚠ To be discontinued on: Dec 31, 2024

⚠ To be end-of-service on: Dec 31, 2032

⚠ To be discontinued

Main

Range	PowerLogic
Product Name	PowerLogic BCPMSC
Product Or Component Type	Multi-circuit energy meter
Device Short Name	BCPMSCB
Model Type	Intermediate
Power Monitoring	Basic instrumentation
Energy Management	Sub billing and cost allocation
Device Application	Sub billing
Power Quality Analysis	voltage sag and swell detection
Type Of Measurement	Voltage Current Frequency Active power Power factor Active energy
[Us] Rated Supply Voltage	90...277 V AC 50/60 Hz +/- 1 %
Network Frequency	60 Hz 50 Hz

Complementary

Current Transformer Input	Split core CT 0.333 V42 x
Update Time	1.8 s
Measurement Voltage	90...277 V phase to neutral 150...480 V phase to phase
Measurement Accuracy	Branch current 2 % 0.25...2 A Branch current 1 % 2...100 A Mains current 3 % 1...100 % Mains current 3 % 2...100 % Voltage 1 % 90...277 V
Sampling Rate	256 samples/cycle
Provided Equipment	42 x current transformer 2 x cables 2 x adapter board
Communication Port Protocol	Modbus RTU
Communication Port Support	RS485

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Communication Of Data	Low-low current alarm Over voltage alarm Low current alarm High current alarm High-high current alarm Under voltage alarm
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Environment

Mounting Mode	Clip-on
Mounting Support	Board
Relative Humidity	0...95 % at 0...60 °C
Ambient Air Temperature For Storage	-40...70 °C
Operating Altitude	3000 m
Standards	EN 61010 UL 508 IEC 61036 ANSI C12.1
Product Certifications	UL
Width	288 mm
Height	146 mm
Net Weight	1.5 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	25.8 cm
Package 1 Width	31.0 cm
Package 1 Length	38.7 cm
Package 1 Weight	4.292 kg

Contractual warranty

Warranty	18 months
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Sustainability



Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov