

Product data sheet

Specifications



BCPM power monitoring intermediate - 42 solid core 100 A - 19 mm CT spacing

BCPMB042S

Product availability: Non-Stock - Not normally stocked in
distribution facility

Price*: 6,260.53 USD

Main

Range	PowerLogic
Product Name	PowerLogic BCPM
Product Or Component Type	Multi-circuit energy meter
Device Short Name	BCPMB
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	50 Hz 60 Hz

Complementary

Current Transformer Input	Solid core CT 100 A42 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
Connection Pitch	0.75 in (19 mm)
Provided Equipment	42 x current transformer 2 x cables
Communication Port Protocol	Modbus RTU
Communication Port Support	RS485

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 current alarm Under voltage alarm High current alarm Low-low current alarm High-high current alarm Over voltage alarm
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Environment

Mounting Mode	Panel-mounted
Mounting Support	Panel Enclosure
Relative Humidity	0...95 % 32...140 °F (0...60 °C)
Ambient Air Temperature For Storage	-40...158 °F (-40...70 °C)
Operating Altitude	9842.52 ft (3000 m)
Standards	EN 61010 ANSI C12.1 IEC 61036 UL 508
Product Certifications	UL
Width	11.34 in (288 mm)
Height	5.75 in (146 mm)
Net Weight	3.31 lb(US) (1.5 kg)

Ordering and shipping details

Category	US10PL109793
Discount Schedule	0PL1
Gtin	3606480299537
Returnability	Yes
Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	6.26 in (15.9 cm)
Package 1 Width	9.76 in (24.8 cm)
Package 1 Length	31.26 in (79.4 cm)
Package 1 Weight	6.56 lb(US) (2.977 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
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