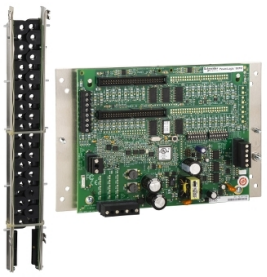
Product data sheet

Specifications



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

BCPMB042S

Discontinued on: Feb 20, 2025

Discontinued

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

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	0.7 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

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	11.3 in (288 mm)
Height	5.7 in (146 mm)
Net Weight	3.3 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	6.563 lb(US) (2.977 kg)

Contractual warranty

Warranty	18 months

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained

How we assess product sustainability

Use Better

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
China RoHS Regulation	**China RoHS declaration**
California proposition 65	**WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov**

Use Again

Repack and remanufacture

WEEE	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**
Take-back	**No**