Product datasheet

Specifications

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

BCPMB042S

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	19 mm
Provided Equipment	42 x current transformer 2 x cables
Communication Port Protocol	Modbus RTU
Communication Port Support	RS485

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 % at 0…60 °C
Ambient Air Temperature For Storage	-40…70 °C
Operating Altitude	3000 m
Standards	EN 61010
	ANSI C12.1
	IEC 61036
	UL 508
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	15.9 cm
Package 1 Width	24.8 cm
Package 1 Length	79.4 cm
Package 1 Weight	2.977 kg

Contractual warranty

Warranty	18 months

Sustainability

Green Premium^TM 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-CO_2 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