Product data sheet

Specifications

BCPM power monitoring intermediate - 42 solid core 100 A - 26 mm CT spacing

BCPMB142S

⚠ 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 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	60 Hz 50 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	26 mm
Provided Equipment	42 x current transformer 2 x cables
Communication Port Protocol	Modbus RTU
Communication Port Support	RS485

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

Environment

Mounting Mode	Panel-mounted
Mounting Support	Enclosure
	Panel
Relative Humidity	0…95 % at 0…60 °C
Ambient Air Temperature For Storage	-40…70 °C
Operating Altitude	3000 m
Standards	UL 508
	IEC 61036
	EN 61010
	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	15.9 cm
Package 1 Width	24.8 cm
Package 1 Length	79.4 cm
Package 1 Weight	3.045 kg

Contractual warranty

Warranty	18 months

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Guide to assess a product's sustainability >

Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov