

Product data sheet

Specifications



BCPM power monitoring advanced ethernet - 84 solid core 100 A - 18 mm CT spacing

BCPME284S

⚠ 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	BCPME
Model Type	Advanced + ethernet
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 A84 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	18 mm
Provided Equipment	84 x current transformer 4 x cables

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 Port Protocol	Modbus RTU BACnet IP BACnet MS/TP Modbus TCP SNMP v2
Communication Port Support	RS485 ETHERNET
Communication Of Data	Over voltage alarm Under voltage alarm High current alarm Low current alarm Low-low current alarm High-high current 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	IEC 61036 EN 61010 ANSI C12.1 UL 508
Product Certifications	UL
Width	253 mm
Depth	71 mm
Height	307 mm
Net Weight	1.5 kg

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	33.0 cm
Package 1 Width	33.0 cm
Package 1 Length	76.2 cm
Package 1 Weight	8.25 kg

Sustainability



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

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[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