Product data sheet

Specifications

BCPM power monitoring advanced ethernet - 42 solid core 100A - 18mm CT spacing

BCPME242S

⚠ **To be discontinued on:** Dec 31, 2024

⚠ **To be end-of-service on:** Dec 31, 2032

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	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	18 mm
Provided Equipment	42 x current transformer 2 x cables

Communication Port Protocol	Modbus RTU
	BACnet IP
	BACnet MS/TP
	Modbus TCP
	SNMP v2

Communication Port Support	RS485
	ETHERNET

Communication Of Data	High-high current alarm
	Under voltage alarm
	Over voltage alarm
	Low-low current alarm
	High current alarm
	Low 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
	UL 508
	ANSI C12.1
	EN 61010

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	33.1 cm

Package 1 Width	33.1 cm

Package 1 Length	76.2 cm

Package 1 Weight	7.008 kg

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
California Proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov