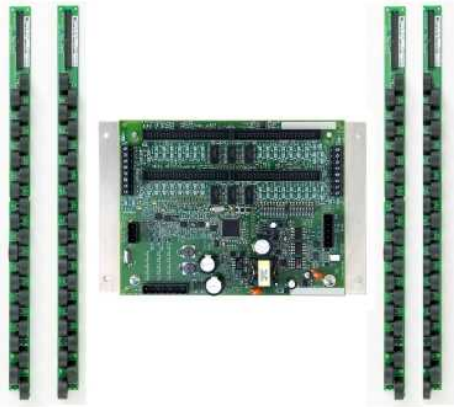
Product data sheet
Characteristics

BCPME042S
BCPM power monitoring advanced ethernet - 42 solid core 100 A - 19 mm CT spacing



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	Active energy Power factor Active power Frequency Current Voltage
[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 A x 42
Update time	1.8 s
Measurement voltage	150...480 V phase to phase 90...277 V phase to neutral
Measurement accuracy	1 % voltage 90…277 V 3 % mains current 2…100 % 3 % mains current 1…100 % 1 % branch current 2…100 A 2 % branch current 0.25…2 A
Sampling rate	256 samples/cycle
Connection pitch	19 mm
Provided equipment	2 x cables 42 x current transformer
Communication port protocol	SNMP v2 Modbus TCP BACnet MS/TP BACnet IP Modbus RTU
Communication port support	Ethernet RS485
Communication of data	Over voltage alarm Under voltage alarm High-high current alarm High current alarm Low current alarm Low-low current alarm

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
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.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

Mounting mode	Panel-mounted
Mounting support	Enclosure Panel
Relative humidity	95 % between 0...60 °C
Ambient air temperature for storage	-40...70 °C
Operating altitude	3000 m
Standards	EN 61010 IEC 61036 UL 508 ANSI C12.1
Product certifications	UL
Width	288 mm
Height	146 mm
Product weight	1.5 kg