

# BCPMA142S

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



## Main

Range	PowerLogic
Product name	PowerLogic BCPM
Product or Component Type	Multi-circuit energy meter
Device short name	BCPMA
Model type	Advanced
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	1.02 in (26 mm)
Provided equipment	42 x current transformer 2 x cables
Communication port protocol	Modbus RTU
Communication port support	RS485
Communication of data	High-high current alarm Over voltage alarm High current alarm Under voltage alarm Low-low current alarm Low current alarm

## Environment

Mounting Mode	Panel-mounted
Mounting Support	Panel Enclosure
Relative humidity	0...95 % 32...140 °F (0...60 °C)
Ambient Air Temperature for Storage	-40...158 °F (-40...70 °C)
Operating altitude	9842.52 ft (3000 m)

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.

Standards	ANSI C12.1 IEC 61036 UL 508 EN 61010
Product certifications	UL
Width	11.34 in (288 mm)
Height	5.75 in (146 mm)
Net Weight	3.31 lb(US) (1.5 kg)

### Ordering and shipping details

Category	09793-PLOGIC BRANCH CIRCUIT BCPM & MCM
Discount Schedule	PL1
GTIN	3606480299513
Returnability	No
Country of origin	US

### Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.26 in (15.9 cm)
Package 1 Width	9.76 in (24.8 cm)
Package 1 Length	31.26 in (79.4 cm)
Package 1 Weight	6.71 lb(US) (3.045 kg)

### Offer Sustainability

California proposition 65	WARNING: Cancer and Reproductive Harm - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

### Contractual warranty

Warranty	18 months
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