

# Product data sheet

Specifications



## BCPM power monitoring advanced - 42 solid core 100 A - 1" CT spacing, Square D

BCPMA142D

⚠ Discontinued

### Main

Range	Square D
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	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	1.02 in (26 mm)
Provided Equipment	42 x current transformer 2 x cables
Communication Port Protocol	Modbus RTU
Communication Port Support	RS485

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Mounting Mode	Panel-mounted
Mounting Support	Enclosure Panel
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)
Standards	IEC 61036 ANSI C12.1 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	09795-POWERLOGIC CURRENT TRANSFORMERS
Discount Schedule	PL1
Returnability	No
Country Of Origin	US

## Contractual warranty

Warranty	18 months
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