

# Product data sheet

Specifications



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

BCPMA242S

⚠ 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         | 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<br>Current<br>Frequency<br>Active power<br>Power factor<br>Active energy |
| [Us] Rated Supply Voltage | 90...277 V AC 50/60 Hz +/- 1 %   |
| Network Frequency         | 50 Hz<br>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<br>150...480 V phase to phase   |
| Measurement Accuracy        | Branch current 2 % 0.25...2 A<br>Branch current 1 % 2...100 A<br>Mains current 3 % 1...100 %<br>Mains current 3 % 2...100 %<br>Voltage 1 % 90...277 V |
| Sampling Rate               | 256 samples/cycle   |
| Connection Pitch            | 18 mm   |
| Provided Equipment          | 42 x current transformer<br>2 x cables  |
| Communication Port Protocol | Modbus RTU  |
| Communication Port Support  | RS485   |

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-low current alarm<br>High-high current alarm<br>High current alarm<br>Under voltage alarm<br>Low current alarm<br>Over voltage alarm |
|-----------------------|--|

## Environment

|                                     |   |
|-------------------------------------|---|
| Mounting Mode                       | Panel-mounted                                 |
| Mounting Support                    | Enclosure<br>Panel                            |
| Relative Humidity                   | 0...95 % at 0...60 °C                         |
| Ambient Air Temperature For Storage | -40...70 °C                                   |
| Operating Altitude                  | 3000 m  |
| Standards                           | EN 61010<br>ANSI C12.1<br>IEC 61036<br>UL 508 |
| Product Certifications              | UL  |
| Width                               | 288 mm  |
| Height                              | 146 mm  |
| Net Weight                          | 1.5 kg  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type Of Package 1       | PCE      |
| Number Of Units In Package 1 | 1        |
| Package 1 Height             | 15.2 cm  |
| Package 1 Width              | 30.5 cm  |
| Package 1 Length             | 50.8 cm  |
| Package 1 Weight             | 2.977 kg |

## Sustainability



**Green Premium™ 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<sub>2</sub> 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 | <a href="#">Yes</a>   |
| Reach Regulation   | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive  | Compliant with Exemptions   |
| China Rohs Regulation  | <a href="#">China RoHS declaration</a>  |
| 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 - <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>                  |