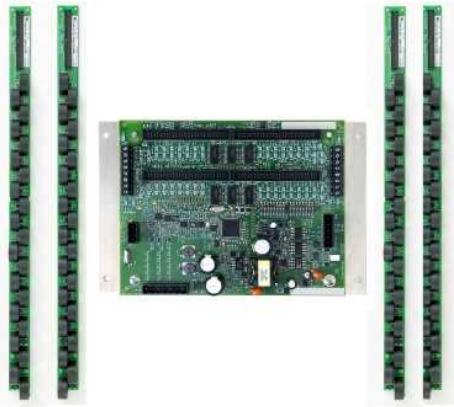
# Product data sheet
## Characteristics

# BCPMA042S
## BCPM power monitoring advanced - 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 | 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 | Active energy<br>Power factor<br>Active power<br>Frequency<br>Current<br>Voltage |
| [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 A x 42 |
| Update time | 1.8 s |
| Measurement voltage | 150...480 V phase to phase<br>90...277 V phase to neutral |
| Measurement accuracy | 1 % voltage 90…277 V<br>3 % mains current 2…100 %<br>3 % mains current 1…100 %<br>1 % branch current 2…100 A<br>2 % branch current 0.25…2 A |
| Sampling rate | 256 samples/cycle |
| Connection pitch | 19 mm |
| Provided equipment | 2 x cables<br>42 x current transformer |
| Communication port protocol | Modbus RTU |
| Communication port support | RS485 |
| Communication of data | Over voltage alarm<br>Under voltage alarm<br>High-high current alarm<br>High current alarm<br>Low current alarm<br>Low-low current alarm |

### Environment

| | |
|---|---|
| Mounting mode | Panel-mounted |
| Mounting support | Enclosure<br>Panel |
| Relative humidity | 95 % between 0...60 °C |
| Ambient air temperature for storage | -40...70 °C |
| Operating altitude | 3000 m |

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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.
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| | |
|---|---|
| Standards | EN 61010<br>IEC 61036<br>UL 508<br>ANSI C12.1 |
| Product certifications | UL |
| Width | 288 mm |
| Height | 146 mm |
| Product weight | 1.5 kg |

## Offer Sustainability

| | |
|---|---|
| Sustainable offer status | Not Green Premium product |