BCPMB042S
BCPM power monitoring intermediate - 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	BCPMB
Model type	Intermediate
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	19 mm
Provided equipment	42 x current transformer 2 x cables
Communication port protocol	Modbus RTU
Communication port support	RS485
Communication of data	Low current alarm Under voltage alarm High current alarm Low-low current alarm High-high current alarm Over voltage alarm

Environment

Mounting mode	Panel-mounted
Mounting support	Panel Enclosure
Relative humidity	0…95 % at 0…60 °C
Ambient air temperature for storage	-40…70 °C
Operating altitude	3000 m

Standards	EN 61010
	ANSI C12.1
	IEC 61036
	UL 508
Product certifications	UL
Width	288 mm
Height	146 mm
Net weight	1.5 kg

Packing Units

Package 1 Weight	1.000 kg

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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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