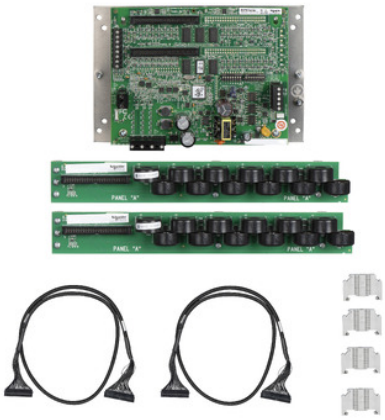
Product data sheet
Characteristics

BCPMA284S
BCPM power monitoring advanced - 84 solid core 100 A - 18 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	60 Hz 50 Hz

Complementary

Current transformer input	Solid core CT 100 A84 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	18 mm
Provided equipment	84 x current transformer 4 x cables
Communication port protocol	Modbus RTU
Communication port support	RS485
Communication of data	High current alarm Low-low current alarm Over voltage alarm Low current alarm Under voltage alarm High-high current 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	ANSI C12.1 UL 508 IEC 61036 EN 61010
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	4.591 kg

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins