Product datasheet

Specifications



power meter PM820 - with display - 80 kB logging

PM820MG

Discontinued on: 31 Dec 2016

EAN Code: 3303432005719

Discontinued

Main

Range of product	PowerLogic PM800
Device short name	PM820
Product or component type	Power meter

Complementary

Power quality analysis	Up to the 31st harmonic
Type of measurement	Current Voltage Frequency Power factor total Apparent power total Active power total Reactive power total Apparent power per phase Active power per phase Reactive power per phase Energy Power factor per phase
supply voltage	125...250 V DC 115...415 V AC 45...67 Hz 115...415 V AC 350...450 Hz
Network frequency	350...450 Hz 45...67 Hz
Maximum power consumption in VA	15 VA
Display type	Backlit LCD
Display resolution	6 lines
Sampling rate	128 samples/cycle
Measurement current	1 A 5 A
input type	Current 0.005...10 A (impedance <= 0.1 Ohm)
Measurement voltage	0…600 V AC phase to phase 0…347 V AC phase to neutral
Number of inputs	1 digital 0...5 mA 24...125 V AC/DC
Measurement accuracy	Current 0.5 % 0.5...10 A Voltage 0.2 % 10...227 V Energy 0.2 % Frequency 0.01 Hz Power factor 0.002 Power 0.2 %
Accuracy class	Class 2 reactive energy conforming to IEC 62053-23 Class 0.5S active energy conforming to IEC 62053-22 Class 0.2 active energy conforming to ANSI C12.20

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

Number of outputs	1 digital (static)
Communication port protocol	Modbus 38.4 kbauds
Communication port support	RS485
Data recording	Basic with 2 data logs Event logs Time stamping Min/max of instantaneous values GPS synchronisation Alarms
Memory capacity	80 kB

Environment

Electromagnetic compatibility	Immunity to impulse waves: , conforming to IEC 61000-4-12 Limits for harmonic current emissions: , conforming to IEC 61000-3-2 Conducted and radiated emissions: , conforming to EN 55011 class A Electrostatic discharge immunity test: , class III, conforming to IEC 61000-4-2 Susceptibility to electromagnetic fields: , class III, conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test: , class III, conforming to IEC 61000-4-4 1.2/50 µs shock waves immunity test: , class III, conforming to IEC 61000-4-5 Conducted RF disturbances: , class III, conforming to IEC 61000-4-6 Immunity to impulse waves: , class III, conforming to IEC 61000-4-8 Immunity to microbreaks and voltage drops: , class III, conforming to IEC 61000-4-11 Limitation of voltage changes, voltage fluctuations and flicker in low-voltage: , conforming to IEC 61000-3-3
Mounting mode	Flush-mounted
Mounting support	Panel
Type of installation	Indoor installation
Overvoltage category	III
IP degree of protection	IP30 back: conforming to IEC 60529 IP52 front face: conforming to IEC 60529
Relative humidity	90 % at 40 °C
Pollution degree	2
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Operating altitude	0...3000 m
Standards	CSA C22.2 No 14 IEC 61010-1 UL 508
Product certifications	CE cULus
Width	96 mm
Depth	Meter : 70 mm
Height	96 mm
Net weight	0.6 kg

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.5 cm
Package 1 Width	13 cm
Package 1 Length	27.5 cm

Package 1 Weight	859.2 g

Logistical informations

Country of origin	MX

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Materials and Substances

EU RoHS Directive	Compliant

Use Again

Repack and remanufacture

WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins