



## Main

Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5560
Product or component type	Power meter

## Complementary

Power quality analysis	Up to the 63rd harmonic
Device application	WAGES metering Power monitoring Gateway Multi-tariff
Type of measurement	Voltage Current Frequency Power factor Energy Active and reactive power
[Us] rated supply voltage	125...250 V DC 100...480 V AC (45...65 Hz)
Network frequency	50 Hz 60 Hz
Line Rated Current	1 A 5 A
Poles description	1P + N 3P 3P + N
Power consumption in VA	
Display type	Backlit LCD
Display resolution	128 x 128 pixels
Sampling rate	128 samples/cycle
Measurement current	5...10000 mA
Analogue input type	Current (impedance 0.3 mOhm) Voltage (impedance 5 MOhm)
Measurement voltage	20...400 V AC 45...65 Hz between phase and neutral 20...690 V AC 45...65 Hz between phases
Frequency measurement range	45...65 Hz
Number of inputs	4 digital
Measurement accuracy	+/- 0.5 % apparent power +/- 0.05 % frequency +/- 0.2 % active energy +/- 1 % reactive energy +/- 0.2 % active power +/- 0.1 % voltage +/- 0.05 % power factor +/- 0.15 °C current
Accuracy class	Class 0.2S (active energy according to IEC 62053-22)
Number of outputs	2 digital
Information displayed	Tariff 8
Communication port protocol	Modbus RTU and ASCII 2 wires, : 9.6, 19.2 and 38.4 kbauds, even/odd or none,

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	insulation: 2500 V JBUS Modbus TCP/IP: 10/100 Mbit/s, insulation: 2500 V Ethernet Modbus TCP/IP daisy chain BACnet IP
Communication port support	RS485 Ethernet
Communication gateway	Ethernet/serial
Data recording	Data logs Event logs Min/max of instantaneous values Time stamping Alarm logs Maintenance logs
Memory capacity	1.1 MB
Web services	Alarm notification by e-mail Diagnostic via predefined web pages Web server Real time viewing of data
Ethernet service	SNTP client SNMP-Traps
Connections - terminals	Voltage circuit: 4 screw terminal block Control circuit: 2 screw terminal block Current transformer: 6 screw terminal block RS485 link: 4 screw terminal block Digital input: 8 screw terminal block Digital output: 4 screw terminal block Ethernet network: 2 RJ45 connector
Mounting mode	Flush-mounted
Mounting support	Framework
Standards	IEC 60529 IEC 61557-12 IEC 62053-22 EN 50470-1 EN 50470-3 UL 61010-1 IEC 62053-24
Product certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1 BTL
Width	3.78 in (96 mm)
Depth	2.83 in (72 mm)
Height	3.78 in (96 mm)
Product weight	15.87 oz (450 g)

## Environment

electromagnetic compatibility	<ul style="list-style-type: none"> <li>• conducted and radiated emissions class class B, conforming to EN 55022</li> <li>• limitation of voltage changes, voltage fluctuations and flicker in low-voltage, conforming to IEC 61000-3-3</li> <li>• limits for harmonic current emissions class class A, conforming to IEC 61000-3-2</li> <li>• conducted RF disturbances class level 3, conforming to IEC 61000-4-6</li> <li>• magnetic field at power frequency class level 4, conforming to IEC 61000-4-8</li> <li>• electrostatic discharge class level 4 (8 kV ), conforming to IEC 61000-4-2</li> <li>• radiated radio-frequency electromagnetic field immunity test, conforming to IEC 61000-4-3</li> <li>• electrical fast transient/burst immunity test class level 4, conforming to IEC 61000-4-4</li> <li>• surge immunity test class level 4, conforming to IEC 61000-4-5</li> <li>• voltage dips and interruptions immunity test, conforming to IEC 61000-4-11</li> </ul>
IP degree of protection	IP52 (front) conforming to IEC 60529 IP30 (body) conforming to IEC 60529
relative humidity	5...95 % 122 °F (50 °C)
pollution degree	2
ambient air temperature for operation	-13...158 °F (-25...70 °C)
ambient air temperature for storage	-40...185 °F (-40...85 °C)
operating altitude	9842.52 ft (3000 m)

Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 1340 - Schneider Electric declaration of conformity	Compliant - since 1340 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available