



## 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	Power monitoring WAGES metering Gateway Multi-tariff
Type of measurement	Energy Active and reactive power Voltage Current Frequency Power factor
[Us] rated supply voltage	125...250 V DC 100...480 V AC (45...65 Hz)
Network frequency	60 Hz 50 Hz
[In] rated current	1 A 5 A
Poles description	3P + N 3P 1P + N
Power consumption in VA	10 VA at 480 V
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, 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	Alarm logs Data logs Time stamping Min/Max of instantaneous values Event logs Maintenance logs
Memory capacity	1.1 MB
Web services	Web server Alarm notification by e-mail Diagnostic via predefined web pages Real time viewing of data
Ethernet service	SNTP client SNMP-Traps
Mounting mode	Flush-mounted
Mounting support	Framework
Standards	EN 50470-3 IEC 62053-22 IEC 60529 EN 50470-1 UL 61010-1 IEC 61557-12 IEC 62053-24
Product certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1 BTL
Width	96 mm
Depth	72 mm
Height	96 mm
Product weight	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> </ul>
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- electrical fast transient/burst immunity test class level 4, conforming to IEC 61000-4-4
- surge immunity test class level 4, conforming to IEC 61000-4-5
- voltage dips and interruptions immunity test, conforming to IEC 61000-4-11

IP degree of protection	IP52 (front) conforming to IEC 60529 IP30 (body) conforming to IEC 60529
Relative humidity	5...95 % 50 °C
Pollution degree	2
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Operating altitude	3000 m

### Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1340 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available <a href="#">Product environmental</a>
Product end of life instructions	Available <a href="#">End of life manual</a>