# **Product datasheet**

Specifications





# PM5760 Meter, 2 ethernet, up to 63th H, 1,1M, wave+RCM, 4DI/ 2DO 52 alarms

METSEPM5760

#### Main

Main	
Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5760
Product or component type	Power meter
Complementary	
Power quality analysis	up to the 63rd harmonic
	waveform capture
	voltage sag and swell detection
	residual current monitoring
Metering type	Measured neutral current
	Calculated ground current
	Residual current I0
Device application	Gateway
· · · · · ·	WAGES metering
	Power monitoring
	Multi-tariff
Type of measurement	Current
	Voltage
	Frequency
	Power factor
	Energy
	Active and reactive power
supply voltage	100300 V DC
	90528 V AC 4565 Hz
Network frequency	60 Hz
Network nequency	50 Hz
	JU 112
[In] rated current	1 A
	5 A
type of network	3P + N
	3P
	1P + N
Maximum power consumption in	16 VA at 480 V
VA	
Ride-through time	35 ms 120 V AC typical
	129 ms 230 V AC typical
	50 ms 125 V DC typical
Display type	Monochrome graphic LCD
display resolution	128 x 128 pixels
Sampling rate	128 samples/cycle
Measurement current	5010000 mA

Analogue input type	Voltage (impedance 5 MOhm) Current (impedance <= 0.3 mOhm)	
Measurement voltage	20400 V AC 4565 Hz between phase and neutral 20828 V AC 4565 Hz between phases	
Frequency measurement range	4565 Hz	
Number of inputs	4 digital	
Measurement accuracy	Apparent power +/- 0.5 % Frequency +/- 0.05 % Active energy +/- 0.2 % Reactive energy +/- 1 % Active power +/- 0.2 % Voltage +/- 0.1 % Power factor +/- 0.005 Current +/- 0.15 % Reactive power +/- 1 %	
Accuracy class	Class 0.2S active energy conforming to IEC 62053-22	
Number of outputs	2 digital	
Information displayed	Tariff (8)	
Communication port protocol	Modbus RTU and ASCII at 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires, insulation 2500 V JBUS Modbus TCP/IP at 10/100 Mbit/s, insulation 2500 V Ethernet Modbus TCP/IP daisy chain BACnet IP DNP3 over ethernet	
Communication port support	RS485 ETHERNET	
Communication gateway	Ethernet/serial	
Data recording	Event logs Maintenance logs Min/max of instantaneous values Data logs Alarm logs Time stamping	
Memory capacity	1.1 MB	
Web services	Alarm notification by e-mail Web server Diagnostic via predefined web pages Real time viewing of data	
Ethernet service	SNTP client SNMP-Traps	
Connections - terminals	Voltage circuit: screw terminal block4 Control circuit: screw terminal block2 Current transformer: screw terminal block6 RS485 link: screw terminal block4 Digital input: screw terminal block8 Digital output: screw terminal block4 Ethernet network: RJ45 connector2	
Mounting mode	Flush-mounted	
Mounting support	Framework	
Standards	EN 50470-3 IEC 61557-12:2015 IEC 62053-22:2020 IEC 62053-24 IEC 60529 EN 50470-1 UL 61010-1 IEC 62053-23:2020 IEC 62052-11:2020 IEC 62052-31:2015	

Product certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1	
Width	96 mm	
Depth	72 mm	
Height	96 mm	
Net weight	450 g	

### Environment

Electromagnetic compatibility	Limits for harmonic current emissions class A conforming to IEC 61000-3-2 Conducted RF disturbances level 3 conforming to IEC 61000-4-6 Magnetic field at power frequency level 4 conforming to IEC 61000-4-8 Conducted and radiated emissions class B conforming to EN 55022 Limitation of voltage changes, voltage fluctuations and flicker in low-voltage conforming to IEC 61000-3-3 Electrostatic discharge - test level: 8 kV level 4 conforming to IEC 61000-4-2 Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3 Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4 Surge immunity test level 4 conforming to IEC 61000-4-4 Voltage dips and interruptions immunity test conforming to IEC 61000-4-11	
IP degree of protection	IP54 display: conforming to IEC 60529 IP30 rear: conforming to IEC 60529	
Relative humidity	595 % at 50 °C non-condensing	
Pollution degree	2	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °C	
Operating altitude	<= 3000 m	

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	12.0 cm
Package 1 Width	12.5 cm
Package 1 Length	12.5 cm
Package 1 Weight	647.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	12
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8.152 kg
Unit Type of Package 3	P06
Number of Units in Package 3	96
Package 3 Height	75 cm
Package 3 Width	80 cm
Package 3 Length	60 cm
Package 3 Weight	73.216 kg

### Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



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Transparency RoHS/REACh

#### Well-being performance

Rohs Exemption Information

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information