Product datasheet

Specifications

Green Premium™

power meter PowerLogic PM5563, 2 ethernet, up to 63th Harmonic, 1,1MB 4DI/2DO 52 alarms, DIN mounted

METSEPM5563

Main

Range	PowerLogic
Product Name	PowerLogic PM5000
Device Short Name	PM5563
Product Or Component Type	Power meter

Complementary

Power Quality Analysis	up to the 63rd harmonic
Metering Type	Measured neutral current Calculated ground current
Device Application	Power monitoring WAGES metering Gateway Multi-tariff
Type Of Measurement	Current Voltage Frequency Power factor Energy Active and reactive power
Supply Voltage	100...300 V DC 90...528 V AC 45...65 Hz
Network Frequency	60 Hz 50 Hz
[In] Rated Current	5 A 1 A
Type Of Network	1P + N 3P 3P + N
Maximum Power Consumption In Va	16 VA at 480 V
Ride-Through Time	35 ms 120 V AC typical 129 ms 230 V AC typical 50 ms 125 V DC typical
Display Type	Without display
Sampling Rate	128 samples/cycle
Measurement Current	50…10000 mA
Analogue Input Type	Voltage (impedance 5 MOhm) Current (impedance <= 0.3 mOhm)
Measurement Voltage	20…400 V AC 45...65 Hz between phase and neutral 20…828 V AC 45...65 Hz between phases
Frequency Measurement Range	45…65 Hz

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 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	Maintenance logs Event logs Alarm logs Time stamping Data logs Min/max of instantaneous values
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	SNMP-Traps SNTP client
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	Clip-on
Mounting Support	DIN rail
Standards	EN 50470-1 IEC 60529 IEC 62053-24 UL 61010-1 IEC 62053-22:2020 IEC 61557-12:2015 EN 50470-3 ANSI C12.20 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 BTL
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 61000-4-5 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	5…95 % at 50 °C non-condensing
Pollution Degree	2
Ambient Air Temperature For Operation	-25…70 °C
Ambient Air Temperature For Storage	-40…85 °C
Operating Altitude	<= 3000 m

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	9.1 cm
Package 1 Width	9.6 cm
Package 1 Length	9.6 cm
Package 1 Weight	610.0 g

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

Well-being performance

Reach Free Of Svhc	
Toxic Heavy Metal Free	
Mercury Free	
Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information