

METSEPM5563RD

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



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	Gateway Power monitoring WAGES metering 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	50 Hz 60 Hz
Line Rated Current	1 A 5 A
Type of network	1P + N 3P 3P + N
Maximum power consumption in VA	16 VA 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	Remote LCD display
Display Resolution	128 x 128 pixels
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
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 IEC 62053-22
Number of Outputs	2 digital
Information displayed	Tariff 8)
Communication port protocol	Modbus RTU and ASCII 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires 2500 V JBUS Modbus TCP/IP 10/100 Mbit/s 2500 V Ethernet Modbus TCP/IP daisy chain BACnet IP DNP3 over ethernet
Communication port support	RS485 ETHERNET
Communication gateway	Ethernet/serial
Data recording	Time stamping Data logs Maintenance logs Event logs Alarm logs Min/max of instantaneous values
Memory capacity	1.1 MB
Web services	Diagnostic via predefined web pages Real time viewing of data Web server Alarm notification by e-mail
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	Clip-on
Mounting support	DIN rail
Standards	EN 50470-3 EN 50470-1 IEC 62053-22:2020 IEC 60529 UL 61010-1 IEC 62053-24 IEC 61557-12:2015 ANSI C12.20 IEC 62053-23:2020 IEC 62052-11:2020 IEC 62052-31:2015
Product certifications	CE IEC 61010-1[RETURN]CULus UL 61010-1[RETURN]BTL
Width	3.78 in (96 mm)
Depth	2.83 in (72 mm)
Height	3.78 in (96 mm)
Net Weight	15.87 oz (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	Display IP54 IEC 60529 Rear IP30 IEC 60529
Relative humidity	5...95 % 122 °F (50 °C) non-condensing
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)







Ordering and shipping details

Category	09777-POWERLOGIC PM5000 HARDWARE
Discount Schedule	PL1
GTIN	3606480761416
Returnability	Yes
Country of origin	IN

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.98 in (15.2 cm)
Package 1 Width	4.84 in (12.3 cm)
Package 1 Length	6.77 in (17.2 cm)
Package 1 Weight	35.13 oz (996.0 g)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Compliant  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

Approximate Dimensions

