Product datasheet
Characteristics

METSEPM5560
PM5560 powermeter w 1mod2eth - upto 63th H - 1,1M 4DI/2DO 52alarms - flush mount

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
[In] rated current	1 A 5 A
Poles description	1P + N 3P 3P + N
Power consumption in VA	<= 10 VA at 480 V
Ride-through time	35 ms 120 V AC typical 129 ms 230 V AC typical
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	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	96 mm
Depth	72 mm
Height	96 mm
Product weight	450 g

Environment

electromagnetic compatibility	● conducted and radiated emissions class class B, conforming to EN 55022 ● limitation of voltage changes, voltage fluctuations and flicker in low-voltage, conforming to IEC 61000-3-3 ● limits for harmonic current emissions class class A, conforming to IEC 61000-3-2 ● conducted RF disturbances class level 3, conforming to IEC 61000-4-6 ● magnetic field at power frequency class level 4, conforming to IEC 61000-4-8 ● electrostatic discharge class level 4 (8 kV), 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 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
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available