Product datasheet
Characteristics

METSEPM5350
PM5350 power monitor

Main

Range	PowerLogic
Product name	PowerLogic PM5350
Device short name	PM5350
Product or component type	Power meter

Complementary

Power quality analysis	Total demand distortion Total harmonic distortion
Device application	Power monitoring
Type of measurement	Voltage Current Frequency Active power Power factor Reactive power Apparent power Phase angle Energy
[Us] rated supply voltage	85...265 V AC (45...65 Hz) 100...300 V DC
Network frequency	50 Hz 60 Hz
[In] rated current	1 A 5 A
Poles description	1P + N 3P 3P + N
Power consumption in VA	<= 9.6 VA
Ride-through time	80 ms 120 V AC typical 100 ms 230 V AC typical 100 ms 415 V AC typical
Display type	Backlit LCD
Display resolution	6 lines
Sampling rate	32 samples/cycle
Measurement current	0...5 A 0...1 A
Analogue input type	Current 0.05...9 A (impedance <= 0.3 Ohm)
Measurement voltage	20...690 V AC phase to phase 20...400 V AC phase to neutral
Frequency measurement range	45...70 Hz
Number of inputs	4 digital
Measurement accuracy	0.3 % current 0.3 % voltage 0.05 % frequency 0.005 % power factor
Accuracy class	Class 0.5S (active energy according to IEC 62053-22) Class 0.5 (power according to IEC 61557-12) Class 0.5 (active energy according to IEC 61557-12) Class 3 (reactive energy according to IEC 62053-23) Class 2 (reactive energy according to IEC 61557-12)

Number of outputs	2 relay
Information displayed	Tariff 4
Communication port protocol	JBUS Modbus RTU and ASCII : 9.6, 19.2 and 38.4 kbauds,
Communication port support	RS485 terminal block
Data recording	Alarms Min/max of instantaneous values
Connections - terminals	Voltage circuit: 4 screw terminal block Control circuit: 2 screw terminal block Current transformer: 6 screw terminal block Input/output circuit: 6 screw terminal block Relay output: 4 screw terminal block Ethernet network: RJ45 connector
Mounting mode	Flush-mounted
Type of installation	Indoor installation
Standards	IEC 61010-1
Product certifications	CULus CE
Width	96 mm
Depth	44 mm
Height	96 mm
Product weight	0.25 kg

Environment

electromagnetic compatibility	● susceptibility to electromagnetic fields, conforming to IEC 61000-4-3 ● electrical fast transient/burst immunity test, conforming to IEC 61000-4-4 ● 1.2/50 µs shock waves immunity test, conforming to IEC 61000-4-5 ● conducted RF disturbances, conforming to IEC 61000-4-6 ● immunity to impulse waves, conforming to IEC 61000-4-12 ● limits for harmonic current emissions, conforming to IEC 61000-3-2 ● limitation of voltage changes, voltage fluctuations and flicker in low-voltage, conforming to IEC 61000-3-3 ● electrostatic discharge, conforming to IEC 61000-4-2 ● conducted and radiated emissions class class A, conforming to EN 55011
overvoltage category	III
IP degree of protection	IP30 (back) conforming to IEC 60529 IP51 (front face) conforming to IEC 60529
relative humidity	0...95 % 50 °C
pollution degree	2
ambient air temperature for operation	-40...85 °C
ambient air temperature for storage	-25...70 °C
operating altitude	0...3000 m

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 1104 - Schneider Electric declaration of conformity
REACh	Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available