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Product data sheet
Characteristics

METSEPM5341
PM5341 Meter, ethernet, up to 31st H, 256K 2DI/2DO 35 alarms, MID



Main

Range	PowerLogic
Product name	PowerLogic PM5000
Device short name	PM5341
Product or component type	Power meter

Complementary

Power quality analysis	Up to the 31st harmonic
Device application	Power monitoring Multi-tariff
Type of measurement	Current Voltage Frequency Power factor Energy Active and reactive power
Supply voltage	100...415 V AC 45...65 Hz 125...250 V DC
Network frequency	50 Hz 60 Hz
[In] rated current	5 A 1 A
Type of network	1P + N 3P + N 3P
Maximum power consumption in VA	10 VA at 415 V
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	128 x 128 pixels
Sampling rate	64 samples/cycle
Measurement current	10…9000 mA
Analogue input type	Voltage (impedance 5 MOhm) Current (impedance 0.3 mOhm)
Measurement voltage	35…690 V AC 45...65 Hz between phases 20…400 V AC 45...65 Hz between phase and neutral
Frequency measurement range	45…65 Hz
Number of inputs	2 digital
Measurement accuracy	Active energy +/- 0.5 % Reactive energy +/- 2 % Active power +/- 0.5 % Apparent power +/- 0.5 % Frequency +/- 0.05 % Power factor +/- 0.005 Current +/- 0.5 % Voltage +/- 0.5 %

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Accuracy class	Class 0.5S active energy conforming to IEC 62053-22
Number of outputs	2 relay 2 digital
Information displayed	Tariff (4)
Communication port protocol	Modbus TCP/IP at 10/100 Mbit/s, insulation 2500 V BACnet IP
Communication port support	Ethernet
Data recording	Alarm logs Time stamping Min/Max of instantaneous values Event logs Maintenance logs Data logs
Memory capacity	256 kB
Connections - terminals	Voltage circuit: screw terminal block4 Control circuit: screw terminal block2 Current transformer: screw terminal block6 Input/Output circuit: screw terminal block6 Relay output: screw terminal block4 Ethernet network: RJ45 connector
Mounting mode	Flush-mounted
Mounting support	Framework
Standards	IEC 60529 UL 61010-1 IEC 61557-12 IEC 62053-24 IEC 62053-22 EN 50470-3 EN 50470-1
Product certifications	CE conforming to IEC 61010-1 CULus conforming to UL 61010-1 MID conforming to EN 50470-1 MID conforming to EN 50470-3
Width	96 mm
Depth	72 mm
Height	96 mm
Net weight	430 g

Environment

Electromagnetic compatibility	Limits for harmonic current emissions class A conforming to IEC 61000-3-2 Electrostatic discharge level 4 conforming to IEC 61000-4-2 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
IP degree of protection	IP52 front: conforming to IEC 60529 IP30 body: conforming to IEC 60529
Relative humidity	5…95 % at 50 °C
Pollution degree	2
Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C
Operating altitude	2000 m

Packing Units

Package 1 Weight	0.480 kg
Package 1 Height	120.000 mm
Package 1 width	124.000 mm
Package 1 Length	107.000 mm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
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
California proposition 65	WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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