

Product datasheet

Specifications



PM5340 Meter, ethernet, up to 31st H, 256K 2DI/2DO 35 alarms

Local distributor code:

398144487

METSEPM5340

EAN Code: 3606480624520

Main

| | |
|---------------------------|-------------------|
| Range | PowerLogic |
| Product name | PowerLogic PM5000 |
| Device short name | PM5340 |
| Product or component type | Power meter |

Complementary

| | |
|---------------------------------|---|
| Power quality analysis | up to the 31st harmonic |
| Device application | Multi-tariff Power monitoring |
| Type of measurement | Current Voltage Frequency Power factor Energy Active and reactive power |
| supply voltage | 90...450 V AC 45...65 Hz 100...300 V DC |
| Network frequency | 60 Hz 50 Hz |
| [In] rated current | 5 A 1 A |
| type of network | 3P 1P + N 3P + N |
| Maximum power consumption in VA | 11 VA at 415 V |
| Ride-through time | 100 ms 120 V AC typical 400 ms 230 V AC typical 50 ms 125 V DC typical |
| Display type | Monochrome graphic LCD |
| Display resolution | 128 x 128 pixels |
| Sampling rate | 64 samples/cycle |
| Measurement current | 5...9000 mA |
| Analogue input type | Voltage (impedance 10 MOhm) Current (impedance <= 0.3 mOhm) |
| Measurement voltage | 35...760 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 |

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| Measurement accuracy | Active energy +/- 0.5 % Reactive energy +/- 2 % Active power +/- 0.5 % Apparent power +/- 0.5 % Frequency +/- 0.05 % Power factor +/- 0.5 Current +/- 0.5 % Voltage +/- 0.5 % Apparent energy +/- 0.5 % Reactive power +/- 2 % |
| 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 | Data logs Alarm logs Time stamping Event logs Min/max of instantaneous values Maintenance 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 | EN 50470-1 IEC 62053-24 IEC 60529 UL 61010-1 IEC 62053-22:2020 EN 50470-3 IEC 61557-12:2015 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 |
| Width | 96 mm |
| Depth | 72 mm |
| Height | 96 mm |
| Net weight | 430 g |

Environment

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|--------------------------------------|---|
| 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 | IP51 display: conforming to IEC 60529 IP30 rear: conforming to IEC 60529 |
| Relative humidity | 5...95 % at 50 °C non-condensing |
| Pollution degree | 2 |

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|---------------------------------------|---|
| Ambient air temperature for operation | -25...70 °C meter -20...70 °C display -25...-20 °C (with reduced performance) display |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | <= 3000 m |

Packing Units

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|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 11.500 cm |
| Package 1 Width | 12.700 cm |
| Package 1 Length | 12.700 cm |
| Package 1 Weight | 502.000 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 6.600 kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 96 |
| Package 3 Height | 75.000 cm |
| Package 3 Width | 60.000 cm |
| Package 3 Length | 80.000 cm |
| Package 3 Weight | 62.800 kg |

Logistical informations

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|-------------------|----|
| Country of origin | IN |
|-------------------|----|

Contractual warranty

| | |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

| | |
|--|---|
| Total lifecycle Carbon footprint | 186 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 14 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.1 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 172 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |

Use Better



Materials and Substances

| | |
|--|--------------------------------------|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| SCIP Number | 2869ba20-8929-483b-9301-6e9169536ade |

Use Longer



Lifetime extension

| | |
|--------|----|
| Repair | No |
|--------|----|

Use Again



Repack and remanufacture

| | |
|-------------------------------|---|
| Recyclability potential, in % | 4 |
| Take-back | No |
| WEEE Label |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |