



## Main

|                           |   |
|---------------------------|---|
| Range                     | PowerLogic  |
| Product name              | PowerLogic PM5000   |
| Device short name         | PM5330  |
| Product or component type | Power meter   |
| Market segment            | Buildings / Small building (Energy Sub feeder Cost management ) in for Billing<br>Buildings / Large building (Energy Main incomer Cost management ) in for Billing<br>Buildings / Multi-site (Energy Sub feeder Cost management ) in for Billing<br>Buildings / Small building (Energy Main incomer Cost management ) in for Cost allocation<br>Buildings / Medium building (Energy Sub feeder Cost management ) in for Cost allocation<br>Buildings / Multi-site (Energy Main incomer Cost management ) in for Cost allocation<br>Datacenter (Energy Sub feeder Cost management ) in for Cost allocation<br>Industry (Energy Sub feeder Cost management ) in for Cost allocation<br>Buildings / Medium building (Energy Main incomer in Network management )<br>Buildings / Multi-site (Energy Sub feeder in Network management )<br>Industry (Energy Sub feeder in Network management )<br>Buildings / Medium building (Energy Main incomer Cost management ) in for Billing<br>Buildings / Large building (Energy Sub feeder Cost management ) in for Billing<br>Datacenter (Energy Main incomer Cost management ) in for Billing<br>Healthcare (Energy Sub feeder Cost management ) in for Billing<br>Buildings / Large building (Energy Main incomer Cost management ) in for Cost allocation<br>Buildings / Multi-site (Energy Sub feeder Cost management ) in for Cost allocation<br>Healthcare (Energy Main incomer Cost management ) in for Cost allocation<br>Buildings / Medium building (Energy Sub feeder in Network management )<br>Datacenter (Energy Sub feeder in Network management )<br>Buildings / Multi-site (Energy Main incomer Cost management ) in for Billing<br>Datacenter (Energy Sub feeder Cost management ) in for Billing<br>Industry (Energy Main incomer Cost management ) in for Billing<br>Buildings / Small building (Energy Sub feeder Cost management ) in for Cost allocation<br>Datacenter (Energy Main incomer Cost management ) in for Cost allocation<br>Healthcare (Energy Sub feeder Cost management ) in for Cost allocation<br>Buildings / Small building (Energy Main incomer in Network management )<br>Healthcare (Energy Sub feeder in Network management )<br>Buildings / Small building (Energy Main incomer Cost management ) in for Billing<br>Buildings / Medium building (Energy Sub feeder Cost management ) in for Billing<br>Healthcare (Energy Main incomer Cost management ) in for Billing<br>Industry (Energy Sub feeder Cost management ) in for Billing<br>Buildings / Medium building (Energy Main incomer Cost management ) in for Cost allocation<br>Buildings / Large building (Energy Sub feeder Cost management ) in for Cost allocation |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

## Complementary

|                             |   |
|-----------------------------|---|
| Power quality analysis      | Up to the 31st harmonic   |
| Device application          | Multi-tariff<br>Power monitoring  |
| Type of measurement         | Energy<br>Active and reactive power<br>Voltage<br>Current<br>Frequency<br>Power factor  |
| [Us] rated supply voltage   | 100...415 V AC (45...65 Hz)<br>125...250 V DC   |
| Network frequency           | 60 Hz<br>50 Hz  |
| [In] rated current          | 5 A<br>1 A  |
| Poles description           | 1P + N<br>3P + N<br>3P  |
| Power consumption in VA     | 10 VA at 415 V  |
| Display type                | Backlit LCD   |
| Display resolution          | 128 x 128 pixels  |
| Sampling rate               | 64 samples/cycle  |
| Measurement current         | 10...9000 mA  |
| Analogue input type         | Current (impedance 0.3 mOhm)<br>Voltage (impedance 5 MOhm)  |
| Measurement voltage         | 35...690 V AC 45...65 Hz between phases<br>20...400 V AC 45...65 Hz between phase and neutral   |
| Frequency measurement range | 45...65 Hz  |
| Number of inputs            | 2 digital   |
| Measurement accuracy        | +/- 0.5 % active energy<br>+/- 2 % reactive energy<br>+/- 0.5 % active power<br>+/- 0.5 % apparent power<br>+/- 0.05 % frequency<br>+/- 0.005 % power factor<br>+/- 0.5 % current<br>+/- 0.5 % voltage  |
| Accuracy class              | Class 0.5S (active energy according to IEC 62053-22)  |
| Number of outputs           | 2 digital<br>2 relay  |
| Information displayed       | Tariff 4  |
| Communication port protocol | Modbus RTU and ASCII 2 wires, : 9.6, 19.2 and 38.4 kbauds, even/odd or none, insulation: 2500 V<br>JBUS   |
| Communication port support  | RS485   |
| Data recording              | Time stamping<br>Min/Max of instantaneous values<br>Data logs<br>Maintenance logs<br>Alarm logs<br>Event logs   |
| Memory capacity             | 256 kB  |
| Connections - terminals     | Voltage circuit: 4 screw terminal block<br>Control circuit: 2 screw terminal block<br>Current transformer: 6 screw terminal block<br>Input/Output circuit: 6 screw terminal block<br>Relay output: 4 screw terminal block<br>Ethernet network: RJ45 connector |
| Mounting mode               | Flush-mounted   |

|                        |   |
|------------------------|---|
| Mounting support       | Framework   |
| Standards              | EN 50470-1<br>EN 50470-3<br>IEC 61557-12<br>IEC 62053-24<br>IEC 60529<br>IEC 62053-22<br>UL 61010-1 |
| Product certifications | CE conforming to IEC 61010-1<br>CULus conforming to UL 61010-1                                      |
| Width                  | 96 mm   |
| Depth                  | 72 mm   |
| Height                 | 96 mm   |
| Product weight         | 430 g   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Electromagnetic compatibility         | <ul style="list-style-type: none"> <li>• conducted and radiated emissions class class B, conforming to EN 55022</li> <li>• limits for harmonic current emissions class class A, conforming to IEC 61000-3-2</li> <li>• electrostatic discharge class level 4, conforming to IEC 61000-4-2</li> <li>• conducted RF disturbances class level 3, conforming to IEC 61000-4-6</li> <li>• magnetic field at power frequency class level 4, conforming to IEC 61000-4-8</li> </ul> |
| IP degree of protection               | IP52 (front) conforming to IEC 60529<br>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                    | 2000 m   |

## Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 1321 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |
| Product environmental profile    | Available   |
| Product end of life instructions | Available   |

# METSEPM5330