



## Main

|                           |                   |
|---------------------------|-------------------|
| Range                     | PowerLogic        |
| Product name              | PowerLogic PM5000 |
| Device short name         | PM5110            |
| Product or component type | Power meter       |

## Complementary

|                           |  |
|---------------------------|--|
| Power quality analysis    | Up to the 15th harmonic  |
| Device application        | 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         | 50 Hz<br>60 Hz   |
| [In] rated current        | 1 A<br>5 A   |
| Poles description         | 3P<br>1P + N<br>3P + N   |
| 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  |

20...400 V AC 45...65 Hz between phase and neutral

|                             |  |
|-----------------------------|--|
| Frequency measurement range | 45...65 Hz   |
| Number of inputs            | 0  |
| 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           | 1 digital  |
| 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   |
| Communication port support  | RS485  |
| Data recording              | Time stamping<br>Min/Max of instantaneous values   |
| Mounting mode               | Flush-mounted  |
| Mounting support            | Framework  |
| Standards                   | IEC 62053-24<br>EN 50470-3<br>EN 50470-1<br>IEC 62053-22<br>IEC 60529<br>UL 61010-1<br>IEC 61557-12  |
| 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              | 380 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   |