

# Lembar data produk

Spesifikasi



PM5760 Meter, 2 ethernet, up to 63th H, 1,1M, wave+RCM, 4DI/2DO 52 alarms

METSEPM5760

## Main

|                           |                   |
|---------------------------|-------------------|
| Range                     | PowerLogic        |
| product name              | PowerLogic PM5000 |
| Device short name         | PM5760            |
| Product or component type | Power meter       |

## Complementary

|                                 |                                                                                                               |
|---------------------------------|---------------------------------------------------------------------------------------------------------------|
| Power quality analysis          | up to the 63rd harmonic<br>waveform capture<br>voltage sag and swell detection<br>residual current monitoring |
| Metering type                   | Measured neutral current<br>Calculated ground current<br>Residual current I0                                  |
| Device application              | Gateway<br>WAGES metering<br>Power monitoring<br>Multi-tariff                                                 |
| Type of measurement             | Current<br>Voltage<br>Frequency<br>Power factor<br>Energy<br>Active and reactive power                        |
| supply voltage                  | 100...300 V DC<br>90...528 V AC 45...65 Hz                                                                    |
| Network frequency               | 60 Hz<br>50 Hz                                                                                                |
| [In] rated current              | 1 A<br>5 A                                                                                                    |
| type of network                 | 3P + N<br>3P<br>1P + N                                                                                        |
| Maximum power consumption in VA | 16 VA at 480 V                                                                                                |
| Ride-through time               | 35 ms 120 V AC typical<br>129 ms 230 V AC typical<br>50 ms 125 V DC typical                                   |
| Display type                    | Monochrome graphic LCD                                                                                        |
| Display resolution              | 128 x 128 pixels                                                                                              |
| Sampling rate                   | 128 samples/cycle                                                                                             |
| Measurement current             | 50...10000 mA                                                                                                 |

Disklaimer: Dokumentasi ini tidak ditujukan sebagai pengganti dan tidak untuk digunakan untuk menentukan kesesuaian atau keandalan produk ini untuk aplikasi pengguna

|                                    |                                                                                                                                                                                                                                                                                           |
|------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Analogue input type</b>         | Voltage (impedance 5 MOhm)<br>Current (impedance <= 0.3 mOhm)                                                                                                                                                                                                                             |
| <b>Measurement voltage</b>         | 20...400 V AC 45...65 Hz between phase and neutral<br>20...828 V AC 45...65 Hz between phases                                                                                                                                                                                             |
| <b>Frequency measurement range</b> | 45...65 Hz                                                                                                                                                                                                                                                                                |
| <b>Number of inputs</b>            | 4 digital                                                                                                                                                                                                                                                                                 |
| <b>Measurement accuracy</b>        | Apparent power +/- 0.5 %<br>Frequency +/- 0.05 %<br>Active energy +/- 0.2 %<br>Reactive energy +/- 1 %<br>Active power +/- 0.2 %<br>Voltage +/- 0.1 %<br>Power factor +/- 0.005<br>Current +/- 0.15 %<br>Reactive power +/- 1 %                                                           |
| <b>Accuracy class</b>              | Class 0.2S active energy conforming to IEC 62053-22                                                                                                                                                                                                                                       |
| <b>Number of outputs</b>           | 2 digital                                                                                                                                                                                                                                                                                 |
| <b>Information displayed</b>       | Tariff (8)                                                                                                                                                                                                                                                                                |
| <b>Communication port protocol</b> | Modbus RTU and ASCII at 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires, insulation 2500 V<br>JBUS<br>Modbus TCP/IP at 10/100 Mbit/s, insulation 2500 V<br>Ethernet Modbus TCP/IP daisy chain<br>BACnet IP<br>DNP3 over ethernet                                                     |
| <b>Communication port support</b>  | RS485<br>ETHERNET                                                                                                                                                                                                                                                                         |
| <b>Communication gateway</b>       | Ethernet/serial                                                                                                                                                                                                                                                                           |
| <b>Data recording</b>              | Event logs<br>Maintenance logs<br>Min/max of instantaneous values<br>Data logs<br>Alarm logs<br>Time stamping                                                                                                                                                                             |
| <b>Memory capacity</b>             | 1.1 MB                                                                                                                                                                                                                                                                                    |
| <b>Web services</b>                | Alarm notification by e-mail<br>Web server<br>Diagnostic via predefined web pages<br>Real time viewing of data                                                                                                                                                                            |
| <b>Ethernet service</b>            | SNTP client<br>SNMP-Traps                                                                                                                                                                                                                                                                 |
| <b>Connections - terminals</b>     | Voltage circuit: screw terminal block4<br>Control circuit: screw terminal block2<br>Current transformer: screw terminal block6<br>RS485 link: screw terminal block4<br>Digital input: screw terminal block8<br>Digital output: screw terminal block4<br>Ethernet network: RJ45 connector2 |
| <b>Mounting mode</b>               | Flush-mounted                                                                                                                                                                                                                                                                             |
| <b>Mounting support</b>            | Framework                                                                                                                                                                                                                                                                                 |
| <b>Standards</b>                   | EN 50470-3<br>IEC 61557-12:2015<br>IEC 62053-22:2020<br>IEC 62053-24<br>IEC 60529<br>EN 50470-1<br>UL 61010-1<br>IEC 62053-23:2020<br>IEC 62052-11:2020<br>IEC 62052-31:2015                                                                                                              |

|                        |                                                                |
|------------------------|----------------------------------------------------------------|
| Product certifications | CE conforming to IEC 61010-1<br>CULus conforming to UL 61010-1 |
| Width                  | 96 mm                                                          |
| Depth                  | 72 mm                                                          |
| Height                 | 96 mm                                                          |
| Net weight             | 450 g                                                          |

## Environment

|                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Electromagnetic compatibility         | Limits for harmonic current emissions class A conforming to IEC 61000-3-2<br>Conducted RF disturbances level 3 conforming to IEC 61000-4-6<br>Magnetic field at power frequency level 4 conforming to IEC 61000-4-8<br>Conducted and radiated emissions class B conforming to EN 55022<br>Limitation of voltage changes, voltage fluctuations and flicker in low-voltage conforming to IEC 61000-3-3<br>Electrostatic discharge - test level: 8 kV level 4 conforming to IEC 61000-4-2<br>Radiated radio-frequency electromagnetic field immunity test conforming to IEC 61000-4-3<br>Electrical fast transient/burst immunity test level 4 conforming to IEC 61000-4-4<br>Surge immunity test level 4 conforming to IEC 61000-4-5<br>Voltage dips and interruptions immunity test conforming to IEC 61000-4-11 |
| IP degree of protection               | IP54 display: conforming to IEC 60529<br>IP30 rear: conforming to IEC 60529                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Relative humidity                     | 5...95 % at 50 °C non-condensing                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pollution degree                      | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Ambient air temperature for operation | -25...70 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Ambient air temperature for storage   | -40...85 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Operating altitude                    | <= 3000 m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 9.100 cm  |
| Package 1 Width              | 9.600 cm  |
| Package 1 Length             | 9.600 cm  |
| Package 1 Weight             | 550.000 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             | 7.313 kg  |

Environmental Data

Schneider Electric bertujuan untuk mencapai status Net Zero pada tahun 2050 melalui kemitraan rantai pasokan, bahan baku yang lebih rendah, dan beredar melalui kampanye "Use Better, Use Longer, Use Again" untuk memperpanjang masa pakai dan daur ulang produk.

[Environmental Data dijelaskan >](#)

[Bagaimana kami menilai keberlanjutan produk >](#)

| Jejak lingkungan                                      |                                                                                                                                                                                                                 |
|-------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) | 518                                                                                                                                                                                                             |
| Environmental Disclosure                              | <a href="#">Product Environmental Profile</a>                                                                                                                                                                   |
| Use Better                                            |                                                                                                                                                                                                                 |
| Bahan dan Pengemasan                                  |                                                                                                                                                                                                                 |
| <a href="#">EU RoHS Directive</a>                     | Compliant with Exemptions                                                                                                                                                                                       |
| Use Again                                             |                                                                                                                                                                                                                 |
| Repak dan remanufaktur                                |                                                                                                                                                                                                                 |
| Circularity Profile                                   | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                                             | No                                                                                                                                                                                                              |
| WEEE                                                  |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |