

# Product datasheet

Specifications



## PM5563 Meter, 2 ethernet, up to 63th H, 1,1M 4DI/2DO 52 alarms, DIN mounted

Local distributor code:

398144584

METSEPM5563

EAN Code: 3606480614088

### Main

|                           |                   |
|---------------------------|-------------------|
| Range                     | PowerLogic        |
| Product name              | PowerLogic PM5000 |
| Product or component type | Power meter       |
| Device short name         | PM5563            |

### Complementary

|                                 |                                                                                               |
|---------------------------------|-----------------------------------------------------------------------------------------------|
| Power quality analysis          | up to the 63rd harmonic                                                                       |
| Metering type                   | Measured neutral current<br>Calculated ground current                                         |
| Device application              | Power monitoring<br>WAGES metering<br>Gateway<br>Multi-tariff                                 |
| Type of measurement             | Current<br>Voltage<br>Frequency<br>Power factor<br>Energy<br>Active and reactive power        |
| [Us] rated supply voltage       | 100...300 V DC<br>90...528 V AC 45...65 Hz                                                    |
| Network frequency               | 60 Hz<br>50 Hz                                                                                |
| [In] rated current              | 5 A<br>1 A                                                                                    |
| type of network                 | 1P + N<br>3P<br>3P + 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                    | Without display                                                                               |
| Sampling rate                   | 128 samples/cycle                                                                             |
| Measurement current             | 50...10000 mA                                                                                 |
| Analogue input type             | Voltage (impedance 5 MOhm)<br>Current (impedance <= 0.3 mOhm)                                 |
| Measurement voltage             | 20...400 V AC 45...65 Hz between phase and neutral<br>20...828 V AC 45...65 Hz between phases |
| Frequency measurement range     | 45...65 Hz                                                                                    |

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

|                             |                                                                                                                                                                                                                                                                                           |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Number of inputs            | 4 digital                                                                                                                                                                                                                                                                                 |
| Measurement accuracy        | 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 %                                                           |
| Accuracy class              | Class 0.2S active energy conforming to IEC 62053-22                                                                                                                                                                                                                                       |
| Number of outputs           | 2 digital                                                                                                                                                                                                                                                                                 |
| Information displayed       | Tariff (8)                                                                                                                                                                                                                                                                                |
| Communication port protocol | Modbus RTU and ASCII at 9.6, 19.2 and 38.4 kbauds even/odd or none - 2 wires,<br>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                                                  |
| Communication port support  | RS485<br>ETHERNET                                                                                                                                                                                                                                                                         |
| Communication gateway       | Ethernet/serial                                                                                                                                                                                                                                                                           |
| Data recording              | Maintenance logs<br>Event logs<br>Alarm logs<br>Time stamping<br>Data logs<br>Min/max of instantaneous values                                                                                                                                                                             |
| Memory capacity             | 1.1 MB                                                                                                                                                                                                                                                                                    |
| Web services                | Alarm notification by e-mail<br>Diagnostic via predefined web pages<br>Web server<br>Real time viewing of data                                                                                                                                                                            |
| Ethernet service            | SNMP-Traps<br>SNTP client                                                                                                                                                                                                                                                                 |
| Connections - terminals     | 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 |
| Mounting mode               | Clip-on                                                                                                                                                                                                                                                                                   |
| Mounting support            | DIN rail                                                                                                                                                                                                                                                                                  |
| Standards                   | EN 50470-1<br>IEC 60529<br>IEC 62053-24<br>UL 61010-1<br>IEC 62053-22:2020<br>IEC 61557-12:2015<br>EN 50470-3<br>ANSI C12.20<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<br>BTL                                                                                                                                                                                                                     |
| Width                       | 96 mm                                                                                                                                                                                                                                                                                     |
| Depth                       | 72 mm                                                                                                                                                                                                                                                                                     |

|                |       |
|----------------|-------|
| Height         | 96 mm |
| Product 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             | 11.000 cm |
| Package 1 Width              | 12.600 cm |
| Package 1 Length             | 12.600 cm |
| Package 1 Weight             | 547.000 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             | 7.150 kg  |

## Logistical informations

|                   |    |
|-------------------|----|
| 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                                                                          | 108 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3]                                                    | 33 kg CO2 eq.  |
| Carbon footprint of the distribution phase [A4]                                                           | 0.2 kg CO2 eq. |
| Carbon footprint of the installation phase [A5]                                                           | 0 kg CO2 eq.   |
| Carbon footprint of the use phase [B2, B3, B4, B6]                                                        | 74 kg CO2 eq.  |
| Carbon footprint of the end-of-life phase [C1 to C4]                                                      | 1 kg CO2 eq.   |

Use Better

|  Materials and Substances |                                                                                        |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard                                                                     | No                                                                                     |
| Packaging without single use plastic                                                                       | No                                                                                     |
| SCIP Number                                                                                                | C32c2d48-7f52-422d-8a44-67c4f7d4c788                                                   |
| EU RoHS Directive                                                                                          | <a href="#">Compliant</a>                                                              |
| REACH Regulation                                                                                           | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

Use Longer

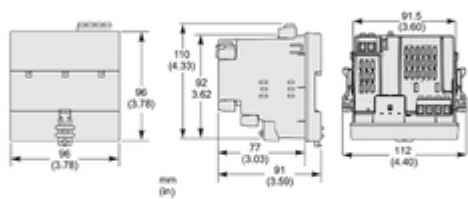
|  Lifetime extension |    |
|--------------------------------------------------------------------------------------------------------|----|
| Repair                                                                                                 | No |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %                                                                                | 7                                                                                                                                                                                                               |
| End of life manual availability                                                                              | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| 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 |

Technical Illustration

Dimensions



PM5563

ALL DIMENSIONS ARE APPROXIMATE.  
REFER TO TECHNICAL DRAWINGS AND DOCUMENTATION FOR COMPLETE INFORMATION.