PowerLogic[™] PM5000 series Technical Datasheet

The PowerLogic™ PM5000 series power meters are the new benchmark in affordable, precision metering.

The value you want, the precision you need. Compact, affordable power meters with high-end cost capabilities and basic mobile energy management.

Applications

Capable of essential cost management:

- Sub-billing/tenant metering (+1)
- Equipment sub-billing
- Energy cost allocation

Also ideal for electrical network management:

- Track real-time power conditions
- · Monitor control functions
- Provide basic power quality values
- Detect and capture voltage sag and swell events
- Monitor residual current
- Analyze equipment and network status
- BACnet/IP, EtherNet/IP, and DNP3.0 protocol support



⁽⁺¹⁾ Subjected to local regulations.

The solution for

Markets that can benefit from a solution that includes PowerLogic™ PM5000 series meters:

- Buildings
- Industry
- Healthcare
- Data Center and networks
- Infrastructure

Benefits

System integrators' benefit

- · Ease of integration
- Ease of setup
- Cost effectiveness

Panel builders' benefit

- Ease of installation
- Cost effectiveness
- Aesthetically pleasing
- Simplified ordering
- Low Voltage DC control power option
- Analog inputs options

End users' benefit

- · Ease of use
- Precision metering & sub-billing (+2)
- Billing flexibility
- · Comprehensive, consistent and superior performance
- · Maximize uptime, eliminate faults, and enhance safety
- Cybersecurity features

Competitive advantages

- · Easy to install and operate
- Easy for circuit breaker monitoring and control
- WAGES monitoring
- Data logging up to 16 parameters
- Power quality analysis up to 63rd harmonics
- Load management combined with alarm and timestamping
- High performance and accuracy
- Residual Current Monitoring (RCM) in PM56xx⁽⁺⁴⁾ and PM57xx⁽⁺⁴⁾
- Voltage sag and swell detection with waveform capture
- MID ready compliance for legal billing application
- Onboard BACnet/IP, EtherNet/IP, and DNP3.0 protocol support
- PM5310R (+3) and PM5320R (+3) are enabled to connect with LVCT for faster installations

Power management solutions

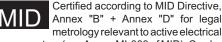
Schneider Electric provides innovative power management solutions to increase your energy efficiency and cost savings, maximize electrical network reliability and availability, and optimize electrical asset performance.

Conformity of standards

- BS/EN/IEC 61557-12:2018/ AMD1:2021
- BS/EN/IEC 62052-11:2020 edition 2
- IEC 62052-31:2015
- BS/EN/IEC 62053-22:2020 edition 2
- BS/EN/IEC 62053-23:2020 edition 2
- IEEE 802.3
- EN 50470-1:2006
- EN 50470- 3:2006
- CE and UKCA as per IEC/BS 61010-1 edition 3
- cULus as per UL 61010-1 edition 3
- BS/EN/IEC 61010-2-30:2017
- BS/EN/IEC 61326-1: edition 3
- FCC part 15 Class B
- EN 55022 Class B
- BACnet/IP BTL listed (B-ASC)
- EtherNet/IP ODVA certified
- ANSI C12.1-2008 (PM55xx)
- ANSI C12.20 Class 0.2 & 0.5
- Align with cyber security guidelines as per IEC 62443
- Type A as per IEC 62020 for RCM

Meets IEC 61557-12 PMD/[SD|SS]/K70/0.5 for PM5100 and PM5300 Meets IEC 61557-12 PMD/[SD|SS]/K70/0.2 for PM5500, PM5600, PM5700

- Legal billing compliance
- MID compliance is compulsory for billing applications across Europe
- In addition to billing applications, for facility managers responsible for energy cost
- MID means same level of quality as a billing meter



energy meters (see Annex MI-003 of MID). Can be used for fiscal (legal) metrology.

MID ready compliance, EN 50470-1/3 - Class C

⁽⁺²⁾ Subjected to local regulations.

 $^{^{(+3)}}$ PM5310R and PM5320R must be used with Schneider Electric's "Quick Click" 3-in-1 LVCTs.

⁽⁺⁴⁾ PM5660, PM5661, PM5760, PM5761 must be used with Toroids.



PowerLogic™ PM5563 meter



PowerLogic™ PM5563 remote display front ISO



PowerLogic™ PM5563 remote display rear ISO

PowerLogic™ PM5100, PM5300 and PM5500 series

The PowerLogic™ PM5000 power meter is the ideal fit for cost management applications. Designed for use in both energy management systems and building management systems, it provides the measurement capabilities needed to allocate energy usage, perform tenant metering and subbilling, pin-point energy savings, optimize equipment efficiency and utilization, and perform a high level assessment of the power quality of the electrical network.

In a single 96×96 mm unit, with a graphical display, (plus optional remote display) all three phases, neutral and ground can be monitored simultaneously. The bright, anti-glare display features large characters and powerful backlighting for easy reading even in extreme lighting conditions and viewing angles. Easy to understand menus, text in 8 selectable languages, icons and graphics create a friendly environment to learn about your electrical network. Ethernet gateway and enhanced cyber security. These are highly accurate devices with global billing certifications.

Applications

- Cost management: Cost saving opportunities become clear once you understand how and when your facility uses electricity. The PowerLogic™ PM5000 series meters are ideal for:
 - Sub-billing / tenant metering: Allows a landlord, property management firm, condominium association, homeowners association, or other multi-tenant property to bill tenants for individual measured utility (electricity) usage depending on the local regulations. MID approved meters for billing applications across Europe.
 - Cost allocation: Allocate energy costs between different departments (HVAC, indoor and outdoor lighting, refrigeration, etc.), different parts of an industrial process or different cost centres. Cost allocation systems can help you save money by making changes to your operation, better maintaining your equipment, taking advantage of pricing fluctuations, and managing your demand.
- Network management: Improving reliability of the electrical network is key for success in any business. Monitoring values such as voltage levels, harmonics distortions, voltage unbalance, residual current, voltage sag and swell will help you to ensure proper operation and maintenance of your electrical network and equipment. PowerLogic™ PM5000 series meters are the perfect tool for:
 - Basic Power Quality monitoring: Power quality phenomena can cause undesirable effects such as heating in transformers, capacitors, motors, generators and misoperation of electronic equipment and protection devices.
 - Min/ Max monitoring (with timestamp): Understanding when electrical parameters, such as voltage, current and power demand, reach maximum and minimum values will give you the insight to correctly maintain your electrical network and assure equipment will not be damaged.
 - Alarming: alarms help you to be aware of any abnormal behaviour on the electrical network in the moment it happens.
 - WAGES monitoring: take advantage of the input metering on PM5000 meters to integrate measurements from third party devices such as water, air, gas, electricity or steam meters.
 - Residual current monitoring: measures leakage current flowing in TN & TT network system.
 - Voltage sags and swells: measures and captures wave form in the event of voltage sags and swells in the network.

Main characteristics

- Easy to install
 - Mounts using two clips, in standard cut out for DIN 96 x 96 mm, no tools required.
 Compact meter with 72 mm (77 mm for PM5500) depth connectable up to 690
 V L-L without voltage transformers for installations compliant with category III.
 Optional remote display (PM5563). Ethernet gateway functionality via RS-485 port.
- Easy to operate
 - Intuitive navigation with self-guided, language selectable menus, six lines, four concurrent values. Two LEDs on the meter face help the user confirm normal operation with a green LED heartbeat/communications indicator, and the amber LED customizable either for alarms or energy pulse outputs. Onboard web pages (PM5500) show real-time and logged information, and verify communications.
- Easy circuit breaker monitoring and control
 - The PM5300 provides two relay outputs (high performance Form A type) with capability to command most of the circuit breaker coils directly. For Digital Inputs, monitored switches can be wired directly to the meter without external power supply by using whetting output voltage.
 - PM5500 series have 4 status inputs (digital) and 2 digital output (solid state) to use for WAGES monitoring, control and alarm annunciation.

Accurate energy measurement for precise cost allocation:

| | PM5100 | PM5300 | PM5500 | PM5600 | PM5700 |
|--------------------------------|------------|------------|------------|------------|------------|
| IEC 62053-22 (Active Energy) | Class 0.5S | Class 0.5S | Class 0.2S | Class 0.2S | Class 0.2S |
| IEC 62053-23 (Reactive Energy) | Class 1.0 |



PowerLogic™ PM5500 meter



PowerLogic™ PM5300 meter



PowerLogic™ PM5100 meter

Native multi-protocol support

The PM55/PM56/PM5700 is now easier than ever to integrate into new and existing BMS systems. With native BACnet/IP protocol support, meters can simultaneously communicate via BACnet and Modbus in applications where multiple software systems are used (building management and energy management systems).

The PM55/PM56/PM5700 series has been tested and certified in accordance with BACnet Testing Laboratories (BTL) requirements and Ethernet IP protocol as per ODVA requirements.

- PM55/PM56/PM5700 Direct metering of neutral current
 - The PM55/PM56/PM5700 has a fourth CT for measuring neutral current. In demanding IT applications, where loads are non-linear (i.e. switching power supplies on computers/servers), measuring neutral current is essential to avoid overload and resulting outage.
 - Power Quality analysis
 - The PM5000 offers Total Harmonic Distortion (THD/thd), Total Demand
 - Distortion (TDD) measurements and individual harmonics (odd) magnitudes and angles for voltage and current:

| | PM5100 | PM5300 | PM55/56/5700 |
|----------------------|--------------------------------------|--------------------------|--|
| Individual Harmonics | magnitudes up to 15 th | magnitudes up to 31st | magnitudes & angles up to 63 rd |

 These types of power quality parameters help to identify the source of harmonics that can harm transformers, capacitors, generators, motors and electronic equipment.

Load management

 Peak demands with time stamping are provided. Predicted demand values can be used in combination with alarms for basic load shedding applications.

Alarming with time stamping

 A different combination of set point driven alarms and digital alarms with 1s time stamping are available in the PM5000 family:

| | PM5100 | PM5300 | PM55/56/5700 |
|-------------------------|--------|--------|--------------|
| Set point driven alarms | 29 | 29 | 29 or 33* |
| Unary | 4 | 4 | 4 |
| Digital | _ | 2 | 4 or 2 |
| Boolean / Logic | - | - | 10 |
| Custom defined | - | - | 5 |

^{*}Applicable in specific meter models. 2 alarms for disturbance (Sag/Swell).

- Alarms can be visualized as Active (the ones that have picked up and did not drop out yet) or Historical (the ones that happened in the past).
 Alarms can be programmed and combined to trigger digital outputs and mechanical relays (PM5300).
- The PM5000 series keeps an alarm log with the active and historical alarms with date and time stamping. SMTP protocol for receiving alarm conditions via email and text. SNTP protocol for date/time network synchronization.

Load timer

 A load timer can be set to count load running hours based on a minimum current withdraw, adjustable to monitor and advise maintenance requirements on the load.

High Performance and accuracy

IEC 61557-12 Performance measuring and monitoring devices (PMD). Defines the performance expectation based on classes. It defines the allowable error in the class for real and reactive power and energy, frequency, current, voltage, power factor, voltage unbalance, voltage and current harmonics (odds), voltage THD, current THD, as well as ratings for temperature, relative humidity, altitude, start-up current and safety. It makes compliant meters readings comparable - they will measure the same values when connected to the same load.

PM5000 series feature selection

| | PM | 5100 | | | PM | 15300 | | |
|---|---------|---------|----------|--------------|---------|--------------|---------|---------|
| | PM5100 | PM5110 | PM5310 | PM5310R (+5) | PM5320 | PM5320R (+5) | PM5330 | PM5340 |
| Installation | | | | | | | | |
| Fast installation, panel mount with integrated display | | | - | • | | - | | - |
| Fast installation, DIN rail mountable | _ | _ | _ | _ | _ | _ | _ | _ |
| Accuracy | | | | | | | | |
| Class | CL 0.5S | CL 0.5S | CL 0.5S | CL 0.5S | CL 0.5S | CL 0.5S | CL 0.5S | CL 0.5S |
| Display | | | | | | | | |
| Backlit LCD, multilingual, bar graphs, 6 lines, 4 concurrent values | • | - | - | - | • | - | • | - |
| Power and energy metering | | | | | | | | |
| 3-ph voltage, current, power, demand, energy, frequency, power factor | • | | - | - | - | - | - | - |
| Multi-tariff | _ | _ | 4 | 4 | 4 | 4 | 4 | 4 |
| MID ready compliance, EN50470-1/3, Annex B & Annex D Class C | - | PM5111 | _ | - | - | - | PM5331 | PM5341 |
| Power quality analysis | | | <u>'</u> | | | | | |
| THD, thd, TDD | | • | • | - | | - | | - |
| Harmonics, individual (odd) up to | 15th | 15th | 31st | 31st | 31st | 31st | 31st | 31st |
| Waveform capture & sag/ swell detection | - | _ | _ | - | - | - | - | _ |
| I/Os and relays | | | | | | , | | |
| Digital inputs/ Digital output | 1DO | 1DO | 2DI/2DO | 2DI/2DO | 2DI/2DO | 2DI/2DO | 2DI/2DO | 2DI/2DO |
| Relays | - | - | - | - | - | - | 2 | 2 |
| Analog inputs | - | - | - | - | - | - | - | _ |
| Residual Current inputs | _ | _ | _ | - | _ | - | _ | _ |
| Alarms and control | | | | | | | | |
| Alarms | 33 | 33 | 35 | 35 | 35 | 35 | 35 | 35 |
| Set point response time, seconds | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Single and multi-condition alarms | - | _ | - | - | - | - | - | - |
| Boolean alarm logic | _ | _ | _ | _ | _ | _ | _ | _ |
| Memory for data logging | - | _ | 256KB | 256KB | 256KB | 256KB | 256KB | 256KB |
| Communications | | | <u>'</u> | | | | | _ |
| Serial ports with modbus protocol | - | 1 | 1 | 1 | - | _ | 1 | _ |
| Ethernet port with Modbus TCP protocol | - | - | - | - | 1 | 1 | - | 1 |
| BACnet/IP protocol | - | - | - | - | • | - | - | - |
| EtherNet/IP protocol | - | - | - | - | - | - | - | - |
| DNP3.0 over Ethernet | - | - | - | - | - | - | - | _ |
| Onboard web server with web pages | - | - | - | - | - | - | - | - |
| Serial to Ethernet gateway | - | - | - | - | - | - | - | - |
| Ref. number followed with METSE* | PM5100 | PM5110 | PM5310 | PM5310R (+5) | PM5320 | PM5320R (+5) | PM5330 | PM5340 |

 $^{^{\}rm (+5)}$ PM5310R and PM5320R must be used with Schneider Electric's "Quick Click" 3-in-1 LVCTs

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PM5000 series feature selection

| | | | PM5500 | | | PM5 | 600 | PM5700 |
|---|------------------|------------------|------------------|------------------|------------------|---------------------------------|------------------|------------------------------|
| | PM5560 | PM5563 | PM5563RD | PM5570 | PM5580 | PM5650 | PM5660 | PM5760 |
| Installation | | | | | <u>'</u> | | | |
| Fast installation, panel mount with integrated display | • | _ | _ | • | • | • | • | - |
| Fast installation, DIN rail mountable | - | • | - | - | - | - | - | - |
| Accuracy | | | | | | | | |
| Class | CL 0.2S | CL 0.2S | CL 0.2S |
| Display | | | | | | | | |
| Backlit LCD, multilingual, bar graphs, 6 lines, 4 concurrent values | • | _ | - | - | • | • | • | - |
| Power and energy metering | 9 | | | | | | | |
| 3-ph voltage, current, power, demand, energy, frequency, power factor | • | • | • | • | • | • | • | • |
| Multi-tariff | 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| MID ready compliance, EN50470-1/3, Annex B & Annex D Class C | PM5561 | - | - | - | _ | _ | PM5661 | PM5761 |
| Power quality analysis | | | | | | | | |
| THD, thd, TDD | • | • | - | • | • | - | • | • |
| Harmonics, individual (odd) up to | 63 rd | 63 rd | 63 rd |
| Waveform capture & sag/ swell detection | - | _ | - | - | - | 8 cycles @ 128 samples/cycle | - | 8 cycles @ 12 samples/cyc |
| I/Os and relays | | | | | | | | |
| Digital inputs/ solid state Digital output | 4DI/2DO | 4DI/2DO | 4DI/2DO | 2DI/2DO | 4DI/2DO | 4DI/2DO | 2DI/2DO | 2DI/2DO |
| Relays | _ | _ | _ | - | _ | - | _ | - |
| Analog inputs Residual Current inputs | | _ | _ | 2 | _ | _ | 2 | 2 |
| Alarms and control | _ | _ | _ | | _ | _ | | 2 |
| Alarms | 52 | 52 | 52 | 50 | 52 | 54 | 54 | 56 |
| Set point response time, seconds | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Single and multi-condition alarms | • | | - | • | | - | - | - |
| Boolean alarm logic | • | • | - | • | • | - | • | - |
| Memory for data logging | 1.1 MB | 1.1 MB | 1.1 MB |
| Communications | | | | | | | | |
| Serial ports with modbus protocol | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Ethernet port with Modbus TCP protocol | 2 (+6) | 2 (+6) | 2 (+6) | 2 (+6) | 2 (+6) | 2 (+6) | 2 (+6) | 2 (+6) |
| BACnet/IP protocol | • | • | • | • | • | • | • | - |
| EtherNet/IP protocol | • | • | - | • | • | • | • | - |
| DNP3.0 over Ethernet | • | • | • | • | • | • | • | - |
| Onboard web server with web pages | • | • | - | • | • | - | • | • |
| Serial to Ethernet gateway | • | • | - | • | • | - | • | - |
| Ref. numbers with METSE* | PM5560 | PM5563 | PM5563RD | PM5570 | PM5580 | PM5650 | PM5660 | PM5760 |

 $^{^{\}scriptscriptstyle{(+6)}}$ 2 Ethernet ports for daisy chain, one IP address.

PM5000 technical specifications

| | | PM5100 | PM5300 | PM5500 | PM5600 | PM5700 | |
|--|---|---------------------------|---|--|--------------------|--------|--|
| Use on LV and MV sys | stems | | | • | | | |
| Basic metering with Th | HD and min/max readings | | | | | | |
| Instantaneous rms v | /alues | | | | | | |
| | Average, per phase, neutral and ground (PM5500) | | | • | | | |
| vollage | Average, per phase L-L and L-N | | | • | | | |
| | Any available phase | | | • | | | |
| apparent power | Total and per phase | | | Signed, Four Quadran | | | |
| | Average and per phase | | | Signed, Four Quadran | | | |
| <u> </u> | Average and per phase | | | Signed, Four Quadran | t | | |
| % Unbalanced I, V L-N | | | _ | | _ | | |
| Direct monitoring of no Energy values | eutrai current | | _ | | | • | |
| Accumulated Active, F | Reactive and Apparent Energy | | Received/Deliver | red; Net and absolute | e; Time Counters | | |
| Demand value | | | | | | | |
| Current average | | | | Predicted, Peak, and | | | |
| Active power | | | | Predicted, Peak, and | | | |
| Reactive power | | | | Predicted, Peak, and Predicted, Peak, and | | | |
| Apparent power | actamping D/T for ourrent and | | i resent, Last, F | rouldieu, Fedk, alla | I CAN DATE TITLE | | |
| three powers | estamping D/T for current and | | | | | | |
| | Sliding, fixed and rolling block, thermal methods | - | | | | | |
| * | e measurement window to command or internal clock | - | | | | | |
| Settable Demand inter | rvals | | | | | | |
| Demand synchronizati | ion with pulse input | - | | | | | |
| Other measurement | is . | | | | | | |
| I/O timer | | | | • | | | |
| Operating timer | | | | • | | | |
| Load timer | | | | • | | | |
| Alarm counters and al | arm logs | | | | | | |
| Power quality meas | | | | <u>-</u> | | | |
| | ic Distortion) I, V L-N, V L-L | | | I, V L-N, V L-L | | | |
| TDD (Total Demand Di | , | | | I, V L-IV, V L-L | | | |
| Individual harmonics (o | , | 15 th (PM5110) | 31 st | - | 63 rd | | |
| | ing with ground current | – (PIVISTTO) | - | | 6 3 | | |
| Waveform capture and | d sag/swell detection | _ | _ | - | 8 cycles samples | | |
| Data recording | | | | | | | |
| Min/max of instantaned identification (+7) | ous values, plus phase | | | • | | | |
| Alarms with 1s timesta | amping ⁽⁺⁷⁾ | | | • | | | |
| Data logging | | | 2 fixed parameters kWh and kVAh with configurable interval & duration (e.g. 2 parameters for minimum 60 days at 15–minute intervals) | Up to 14 selectable parameters with configurable in and duration (e.g. 6 parameters for minimum 90 da 15-minute intervals) | | | |
| | in/max log | | • | | • | | |
| Min/max log | | | | | | | |
| Min/max log Maintenance, alarm ar | nd event logs | | • | | • | | |
| Maintenance, alarm ar Customisable data log | gs | | _ | | • | | |
| | gs | | 3 years (wher | n meter is in Power O | ■ FF condition) | | |

⁽⁺⁷⁾ Stored in non-volatile memory

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PM5000 technical specifications

| | | PM5100 | PM5300 | PM5500 | PM5600 | PM5700 | | |
|---|--|------------------------|---|---|---|--------------------|--|--|
| Inputs / Outpu | uts / Mechanical Rela | ys | | | | | | |
| Digital inputs | | _ | 2 | | 561, PM5562, PM5563 PM5660, PM5661, PM | | | |
| Digital outputs | | 1 (kWh only) | 2 | | 2 (Solid state) | | | |
| orm A Relay o | utputs | _ | 2 | | _ | | | |
| Analog inputs | - 4 | _ | _ | 2 for PM5570 | _ | _ | | |
| Residual Curre | nt inputs | _ | _ | 2 101 1 10007 0 | 2 for PM5660 | 2 for PM5760 | | |
| | · · · · · · · · · · · · · · · · · · · | | | 1 | | | | |
| | olution in seconds | 1 | 1 | 1 | 1 | 1 | | |
| Whetting source | | _ | 24 V DC, 8 mA | _ | _ | _ | | |
| Type of measur :hree-phase (3F | rement: True rms on P, 3P + N) | 64 sample | es per cycle | | 128 samples per cycle | , | | |
| | IEC 61557-12 | PMD/[SD | SS]/K70/0.5 | | PMD/[SD SS]/K70/0.2 | | | |
| | Active Energy | | 62053-22/ Class 0.5 as 57-12/ ± 0.5% | Class 0.2S as per IE0 | C 62053-22/ Class 0.2 ± 0.2% | as per IEC 61557-1 | | |
| | Reactive Energy | Class 2 as per IEC 6 | 52053-23/ Class 1.0 as 57-12/ ± 1.0% | Class 2 as per IEC | 62053-23/ Class 1.0 as ± 1.0% | s per IEC 61557-12 | | |
| | Active Power | Class 0.5 as per IE | C 61557-12/ ± 0.5% | Class 0. | 2 as per IEC 61557-12 | / ± 0.2% | | |
| | Apparent Power | Class 0.5 as per IE | C 61557-12/ ± 0.5% | | 5 as per IEC 61557-12 | | | |
| | Reactive Power | | C 61557-12/ ± 1.0% | Class 1. | 0 as per IEC 61557-12 | / ± 1.0% | | |
| | Current, Phase | Class 0.5 as per IE | C 61557-12/ ±0.5 % | Class 0.2 | as per IEC 61557-12/ | ±0.15 % | | |
| Measurement | Voltage, L-N | Class 0.5 as per IE | C 61557-12/ ± 0.5 % | Class 0.2 as per IEC 61557-12/ ± 0.1 % | | | | |
| accuracy | Frequency | Class 0.05 as per IE | C 61557-12/ ±0.05 % | Class 0.05 as per IEC 61557-12/ ±0.05 % | | | | |
| | Power Factor | Class 0.5 as per IEC 6 | 61557-12/ ±0.005 count | Class 0.5 as per IEC 61557-12/ ±0.005 count | | | | |
| | Voltage unbalance | Class | 5/ ±5% | | Class 2/ ±2% | | | |
| | Voltage harmonics | Class | 5/ ±5% | | Class 2/ ±2% | | | |
| Voltage THD Class | | Class | 5/ ±5% | | Class 2/ ±2% | | | |
| | Current harmonics | Class | 5/ ±5% | | Class 2/ ±2% | | | |
| | Current THD Class | Class | 5/ ±5% | | Class 2/ ±2% | | | |
| | MID Directive EN50470-1, EN50470-3 | | Annex B and Annex | x D (Optional model references) Class C | | | | |
| Input-voltage (up to 1.0 MV AC max, | Nominal Measured Voltage range | | o 400 V L-N /690 V L-L 5 V L-L to 760 V L-L | 20 V L-N / 20 V L-L to 400 V L-N /690 V L-L absolute range 20 V L-L to 828 V L-L | | | | |
| with voltage | Impedance | | | 5 ΜΩ | | | | |
| ransformer) | Frequency nominal | 50 or 60 |) Hz ±5 % | 50 or 60 Hz ±10 % | | | | |
| | I nominal | | 5 / | A | | _ | | |
| Input-current (configurable | Measured Amps with over range | | urrent: 5 mA e: 50 mA to 8.5 A | Starting current: 5 mA Operating range: 50 mA to 10 A (with Crest Factor) | | | | |
| for 1 or 5 A | Withstand | | Continuous 20 A, 10 s/hr 50 A, 1 s/hr 500 A | | | | | |
| secondary CTs) | Impedance | | | < 0.3 mΩ | | | | |
| • | Frequency nominal | 50 or 60 | Hz ±5 % | | 50 or 60 Hz ±10 % | | | |
| | Burden | | | <0.026 VA at 8.5 A | | | | |
| | Operating range | | I / 415 V L-L +/-10 % ss per IEC 61010 | 100-480 V AC ±10 % CAT III 600V class per IEC 61010 | | | | |
| AC control | Burden | <5 W,11 VA | at 415V L-L | < | 5W/16.0 VA at 480 V A | .C | | |
| ower | Frequency | | | 45 to 65 Hz | | | | |
| | Ride through time at maximum burden | 100 mS typic | al at 120V AC al at 230 V AC al at 415 V AC | 35 ms typical at 120 V L-N 129 ms typical at 230 V L-N | | | | |
| | Operating range | , | | DC ±20 % (100 to 300 |) V DC) | | | |
| DC control power | Burden | <4 W at | 250 V DC | typical 3.1 W at 125 V DC, max. 5 W | | | | |
| | Ride-through time | | 50 mS typical a | at 125 V DC and maxim | num burden | | | |
| LV DC control | 20-60 V DC ±10 % CAT III Burden 4.1 W max. | - | _ | ■ PM5580 – – | | | | |

PM5000 technical specifications

| | | | PM5100 | PM5300 | PM5500 | PM5600 | PM5700 | |
|--|------------------|--------------------------------------|----------------------|--|--|---|----------------|--|
| | | Max output frequency | - | 0.5 Hz maximum (1 s ON / 1 s OFF - min times) | _ | _ | _ | |
| | | | | 250 V AC at 8.0 Amps, 25 k cycles | | | | |
| | Relay outputs | Switching current, at resistive load | _ | 30 V DC at 2.0 Amps, 75 k cycles | _ | _ | _ | |
| | | | | 30 V DC at 5.0 Amps, 12.5 k cycles | | | | |
| | | Isolation | - | 2.5 kV rms | - | - | - | |
| | | Max load voltage | 40 | V DC | | 60 V DC (PM5500 and C (PM5660, PM5661, I | | |
| | | Max load current | 20 | mA | | 125 mA (Solid state) | | |
| utputs | | On Resistance | 50 (| Ω max | | 8 Ω | | |
| | D: 11 1 | Meter constant | | from 1 to 9,999,9 | 99 pulses per k_h (k\ | Vh, kVAh, kVARh) | | |
| | Digital outputs | Pulse width for Digital Output | | | 50 % duty cycle | | | |
| | | Pulse frequency for Digital Output | | | 25 Hz max. | | | |
| | | Leakage current | 0.3 mic | cro Amps | | 1 micro Amps | | |
| | | Isolation | 5 k\ | / rms | | 2.5 kV rms for 60 s | | |
| | | Pulse width (LED) | | | 200 ms | | | |
| | Optical | Pulse frequency | 2.5 kH | | | 2.5 kHz. max | | |
| | outputs | Meter constant | | | 99 pulses per k_h (k\ | | | |
| | ON Voltage | | | 18.5 to 36 V DC | | 15 to 30 V AC / 15 to 60 V DC max | | |
| | | | | | | | | |
| | OFF Voltage | | _ | 0 to 4 V DC | 0 | to 6 V AC / 0 to 6 V D | | |
| | Input Resis | stance | _ | 110 k Ω | 100 k Ω | | | |
| status | Maximum | Frequency | - | 2 Hz (T ON min = T OFF min = 250 ms) | 25 Hz (T ON min = T OFF min = 20 ms) | | = 20 ms) | |
| nputs | Response | Time | _ | 20 ms | 10 ms | | | |
| | Opto Isola | tion | - | 5 kV rms | | 2.5 kV rms for 60 s | | |
| | Whetting o | output | - | 24 V DC/ 8 mA max | - | | | |
| | Input Burd | en | - | 2 mA @24V DC | 2 mA @ 24 V AC/DC 2.5 mA @ 60 V AC/DC | | , | |
| Analog inputs (PM5570) | | _ | | 4 - 20 mA DC (nominal), Accuracy: 1% of full-scale reading, Impedance < 20 Ω, Operating voltage: 24 V DC max | - | - | | |
| Residual Current inputs (PM5660, PM5661, PM5760, PM5761) Type A as per IEC 62020 | | _ | | 5 uA to 1200 uA (nominal), 1500 uA max (continuous), Input type: AC 45 to 65 Hz, Burden: 150 Ω, Default toroid: 1000 turns | | (continuous), C 45 to 65 Hz, : 150 Ω, | | |
| /lechanica | ıl characteris | stics | | | | | | |
| roduct we | eight | | 380 g | 430 g | 450 g | 450 g | 450 g | |
| degree c | of protection | (IEC 60529) | IP54 front display | IP30 rear side (IP65 f | ront side with Optiona | al accessory kit METS | EIP65OP96X96F | |
| Dimensions | W×H×D[| protrusion from cabinet] | 96 x 96 x 72 m | nm (77 mm for PM5500 | 0) (depth of meter from | m housing mounting f | lange) [13 mm] | |
| Nounting p | oosition | | | | Vertical | | | |
| anel thick | | | | | 6 mm maximum | | | |
| VCT (+8) in | puts for PM5 | 310R and PM5320R - No | minal voltage of 0.3 | 33V | | | | |
| /leasurem | ent range | | - | 0.00333V - 0.4V | - | - | - | |

⁽⁺⁸⁾ PM5310R and PM5320R must be used with Schneider Electric's "Quick Click" 3-in-1 LVCTs

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PM5000 technical specifications

| | · | PM5100 | PM5300 | PM5500 | PM5600 | PM5700 | | | |
|--|--------------------------|--------------------|-----------------------------------|---|---------------------------------------|-------------------------|--|--|--|
| Environmental charac | teristics | | | | | | | | |
| | Operating temperature | | | -25 °C to 70 °C | | | | | |
| Operating temperature | Display (reduced display | | -25 °C to 70 °C | | | | | | |
| Storage temperature | performance at -25 ° C) | | | -40 °C to 85 °C | | | | | |
| Humidity range | | | 5 to 95 % | RH at 50 °C (non-co | ondensing) | | | | |
| Pollution degree | | | | 2 | | | | | |
| Altitude | | 2000 m CAT III | / 3000 m CAT II | | 3000 m max. CAT II | 1 | | | |
| Mission profile / Life spa | n | | | >15 years Conformal coating | | | | | |
| Electromagnetic compati | bility | | | Cornormal Coating | | | | | |
| Harmonic current emission | | _ | _ | | IEC 61000-3-2 | | | | |
| Flicker emissions | 5110 | | _ | | IEC 61000-3-3 | | | | |
| Electrostatic discharge | | | | IEC 61000-4-2 | .200.00000 | | | | |
| Immunity to radiated field | 's | | | IEC 61000-4-3 | | | | | |
| Immunity to fast transient | | | | IEC 61000-4-4 | | | | | |
| Immunity to surge | 3 | | | IEC 61000-4-5 | | | | | |
| |) kHz to 90 MHz | | | IEC 61000-4-5 | | | | | |
| Conducted immunity 150 | | | | | | | | | |
| Immunity to magnetic field | JS | | | IEC 61000-4-8 | | | | | |
| Immunity to voltage dips | | | | IEC 61000-4-11 | IFO 04000 4 40 | | | | |
| Immunity to damped osci | | | - IEC 61000-4-12 | | | | | | |
| Radiated and conducted | emissions | | FCC part 15, EN 55022 Class B | | | | | | |
| Safety | | | | | | | | | |
| Europe | | | | 10-1 Ed. 3, IEC 62052 | | | | | |
| U.S. and Canada | | | | as per UL 61010-1 (E | · · · · · · · · · · · · · · · · · · · | | | | |
| Measurement category (Voltage | ge & Current inputs) | | | up to 400 V L-N / 69 | | | | | |
| Dielectric | | | | · IEC/UL 61010-1 (Ed | · · · · · · · · · · · · · · · · · · · | | | | |
| Protective Class | | | II, Double in | sulated for user acc | essible parts | | | | |
| Communication | | | | | | | | | |
| RS-485 port Modbus RTU, Mo (7 or 8 bit), JBUS | odbus ASCII | 2-Wire, 9600,19200 | or 38400 baud, Parity None; (0 | - Even, Odd, None, 1 Optional in PM51x and | stop bit if parity Odd od PM53x) | or Even, 2 stop bits if | | | |
| Ethernet port: 10/100 Mbps; N | Modbus TCP/IP | _ | 1 Optional | 2 (da | aisy chain only, 1 IP add | dress) | | | |
| Native Ethernet/IP & DNP | 3.0 over Ethernet | _ | - | Yes | Yes | Yes | | | |
| FTP / FTPS | | _ | - | Yes | Yes | Yes | | | |
| SNMP, SNTP, SMTP | | _ | - | Yes | Yes | Yes | | | |
| HTTPS | | _ | - | Yes | Yes | Yes | | | |
| Firmware and language f | ile update | | Meter firmware | e update via the comn | nunication ports | | | | |
| Isolation | | | 2.5 | kVrms, double insul | ated | | | | |
| Human machine interface | ; | | | | | | | | |
| Display type | | | Moi | nochrome Graphics | LCD | | | | |
| Resolution | | 128 x 128 pixels | | | | | | | |
| Backlight | | White LED | | | | | | | |
| Viewable area (W x H) | | | | | | | | | |
| Keypad | | 4-button | | | | | | | |
| Indicator Heartbeat / Con | nmunication activity | | | Green LED | | | | | |
| Energy pulse output / Active a | | | | Optical, amber LED |) | | | | |
| Wavelength | , · 9····/ | | | 590 to 635 nm | | | | | |
| Maximum pulse rate | | | | | | | | | |
| Maximum pulse rate | | 2.5 kHz | | | | | | | |

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| Comm. ref numbers | Description |
|-------------------|--|
| METSEPM5100 | Power Meter, 600V AC L-L/5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 15th harmonic, 1DO |
| METSEPM5110 | Power Meter, 600V AC L-L/ 5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 15th harmonic, 1DO, RS-485 |
| METSEPM5111 | Power Meter, 600V AC L-L/ 5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 15th harmonic, 1DO, RS-485, MID |
| METSEPM5310 | Power Meter, 600V AC L-L/ 5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 31st harmonic, 256 kB, 2DI/2DO, RS-485 |
| METSEPM5310R | Power Meter, 600V AC L-L/ RJ45 LVCT input, 415V AC L-L or 250V DC control power, Cl 0.5S, 31st harmonic, 256 kB, 2Dl/2DO, RS-485 |
| METSEPM5320 | Power Meter, 600V AC L-L/5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 31st harmonic, 256 kB, 2Dl/2DO, Ethernet |
| METSEPM5320R | Power Meter, 600V AC L-L/ RJ45 LVCT input, 415V AC L-L or 250V DC control power, Cl 0.5S, 31st harmonic, 256 kB, 2DI/2DO, Ethernet |
| METSEPM5330 | Power Meter, 600V AC L-L/5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 31st harmonic, 256 kB, 2Dl/2DO/2-Relay, RS-485 |
| METSEPM5331 | Power Meter, 600V AC L-L/5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 31st harmonic, 256 kB, 2Dl/2DO/2-Relay, RS-485, MID |
| METSEPM5340 | Power Meter, 600V AC L-L/ 5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 31st harmonic, 256 kB, 2DI/2DO/2-Relay, Ethernet |
| METSEPM5341 | Power Meter, 600V AC L-L/ 5A or 1A input, 415V AC L-L or 250V DC control power, Cl 0.5S, 31st harmonic, 256 kB, 2Dl/2DO/2-Relay, Ethernet, MID |
| METSEPM5560 | Power Meter, 690V AC L-L/ 5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 4Dl/2-DO, RS-485, Ethernet |
| METSEPM5561 | Power Meter, 690V AC L-L/ 5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 4Dl/2-DO, RS-485, Ethernet, MID |
| METSEPM5562 | Power Meter, 690V AC L-L/5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 4Dl/2-DO, RS-485, Ethernet, RMI CAN approved, Hardware lockable |
| METSEPM5562MC | Power Meter, 690V AC L-L/ 5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 4Dl/2-DO, RS-485, Ethernet, RMI CAN approved, Factory sealed |
| METSEPM5563 | Power Meter, 690V AC L-L/5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 4Dl/2-DO, RS-485, Ethernet, DIN mount, No display |
| METSEPM5563RD | Power Meter, 690V AC L-L/5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 4Dl/2-DO, RS-485, Ethernet, DIN mount, Remote display |
| METSEPM5570 | Power Meter, 690V AC L-L/5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 2Dl/2Al/2-DO, RS-485, Ethernet |
| METSEPM5580 | Power Meter, 690V AC L-L/5A or 1A input, 24 to 64V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 4Dl/2-DO, RS-485, Ethernet |
| METSEPM5650 | Power Meter, 690V AC L-L/5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 4Dl/2-DO, RS-485, Ethernet, Wave Form Capture and Sag/swell |
| METSEPM5660 | Power Meter, 690V AC L-L/5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 2Dl/2-DO, RS-485, Ethernet, Residual Current Monitor |
| METSEPM5661 | Power Meter, 690V AC L-L/5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 2Dl/2-DO, RS-485, Ethernet, Residual Current Monitor, MID |
| METSEPM5760 | Power Meter, 690V AC L-L/ 5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 2Dl/2-DO, RS-485, Ethernet, Wave Form Capture and Sag/swell, Residual current monitor |
| METSEPM5761 | Power Meter, 690V AC L-L/ 5A or 1A input, 480V AC L-L or 250V DC control power, Cl 0.2S, 63rd harmonic, 1.1 MB, 2Dl/2-DO, RS-485, Ethernet, Wave Form Capture and Sag/swell, Residual current monitor, MID |

For selection of compatible current transformers with 5 A output in Schneider range: Refer **PLSED310169EN** in solid core and split core IEC type

| For Residual Curren | t Monitoring Toroids (Vigirex) - Closed Toroids, A Type (applicable for PM5660, PM5661, PM5760, PM5761) |
|----------------------|---|
| 50437 | TA30 - closed toroid A type, for RCM enabled power meters, 30 mm inner diameter, rated current 65 Amps, 1000 turns |
| 50438 | PA50 - closed toroid A type, for RCM enabled power meters, 50 mm inner diameter, rated current 85 Amps, 1000 turns |
| 50439 | IA80 - closed toroid A type, for RCM enabled power meters, 80 mm inner diameter, rated current 160 Amps, 1000 turns |
| 50440 | MA120 - closed toroid A type, for RCM enabled power meters, 120 mm inner diameter, rated current 250 Amps, 1000 turns |
| 50441 | SA200 - closed toroid A type, for RCM enabled power meters, 200 mm inner diameter, rated current 400 Amps, 1000 turns |
| 50442 | GA300 - closed toroid A type, for RCM enabled power meters, 300 mm inner diameter, rated current 630 Amps, 1000 turns |
| Accessories for Clos | sed Toroids (applicable for PM5660, PM5661, PM5760, PM5761) |
| 56055 | Magnetic ring/ Iron screen accessory for TA30 toroid sensor |
| 56056 | Magnetic ring/ Iron screen accessory for PA50 toroid sensor |
| 56057 | Magnetic ring/ Iron screen accessory for IA80 toroid sensor |
| 56058 | Magnetic ring/ Iron screen accessory for MA120 toroid sensor |
| Residual Current Mo | onitoring Toroids (Vigirex) - Split Toroids, OA Type (applicable for PM5660, PM5661, PM5760, PM5761) |
| 50420 | TOA80 - split toroid OA type, 80 mm inner diameter, rated current 160 Amps, 1000 turns |
| 50421 | TOA120 - split toroid OA type, 120 mm inner diameter, rated current 250 Amps, 1000 turns |
| 56053 | L1 type - rectangular sensor, width 280 x height 115 mm, rated current 1600 Amps, 1000 turns |
| 56054 | L2 type - rectangular sensor, width 470 x height 160 mm, rated current 3200 Amps, 1000 turns |

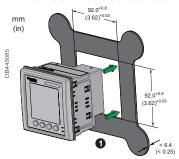
Version: 1.0 - 04/02/2023 PLSED310052EN

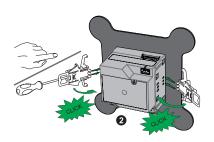
Current Transformer commercial reference numbers for PM53xxR

| Comm. ref numbers | Description |
|------------------------------|--|
| 0.333V (1/3 Volts), 3-in-1 C | CTs with RJ45 connectors for PM53x0R LVCT enabled power meter |
| METSECTV25006 | LVCT Solid core 3 in 1 with RJ45 cable, 25 mm phase center, 60 Amps, 0.333V output |
| METSECTV25010 | LVCT Solid core 3 in 1 with RJ45 cable, 25 mm phase center, 100 Amps, 0.333V output |
| METSECTV25013 | LVCT Solid core 3 in 1 with RJ45 cable, 25 mm phase center, 125 Amps, 0.333V output |
| METSECTV25016 | LVCT Solid core 3 in 1 with RJ45 cable, 25 mm phase center, 160 Amps, 0.333V output |
| METSECTV35006 | LVCT Solid core 3 in 1 with RJ45 cable, 35 mm phase center, 60 Amps, 0.333V output |
| METSECTV35010 | LVCT Solid core 3 in 1 with RJ45 cable, 35 mm phase center, 100 Amps, 0.333V output |
| METSECTV35012 | LVCT Solid core 3 in 1 with RJ45 cable, 35 mm phase center, 120 Amps, 0.333V output |
| METSECTV35013 | LVCT Solid core 3 in 1 with RJ45 cable, 35 mm phase center, 125 Amps, 0.333V output |
| METSECTV35015 | LVCT Solid core 3 in 1 with RJ45 cable, 35 mm phase center, 150 Amps, 0.333V output |
| METSECTV35016 | LVCT Solid core 3 in 1 with RJ45 cable, 35 mm phase center, 160 Amps, 0.333V output |
| METSECTV35020 | LVCT Solid core 3 in 1 with RJ45 cable, 35 mm phase center, 200 Amps, 0.333V output |
| METSECTV35025 | LVCT Solid core 3 in 1 with RJ45 cable, 35 mm phase center, 250 Amps, 0.333V output |
| METSECTV45025 | LVCT Solid core 3 in 1 with RJ45 cable, 45 mm phase center, 250 Amps, 0.333V output |
| METSECTV45030 | LVCT Solid core 3 in 1 with RJ45 cable, 45 mm phase center, 300 Amps, 0.333V output |
| METSECTV45040 | LVCT Solid core 3 in 1 with RJ45 cable, 45 mm phase center, 400 Amps, 0.333V output |
| METSECTV45050 | LVCT Solid core 3 in 1 with RJ45 cable, 45 mm phase center, 500 Amps, 0.333V output |
| METSECTV45060 | LVCT Solid core 3 in 1 with RJ45 cable, 45 mm phase center, 600 Amps, 0.333V output |
| METSECTV45063 | LVCT Solid core 3 in 1 with RJ45 cable, 45 mm phase center, 630 Amps, 0.333V output |
| METSECTV29006 | LVCT Solid core 3 in 1 with RJ45 cable, 29 mm phase center, 60 Amps, 0.333V output |
| METSECTV29010 | LVCT Solid core 3 in 1 with RJ45 cable, 29 mm phase center, 100 Amps, 0.333V output |
| METSECTV29012 | LVCT Solid core 3 in 1 with RJ45 cable, 29 mm phase center, 120 Amps, 0.333V output |
| METSECTV29013 | LVCT Solid core 3 in 1 with RJ45 cable, 29 mm phase center, 125 Amps, 0.333V output |
| METSECTV29015 | LVCT Solid core 3 in 1 with RJ45 cable, 29 mm phase center, 150 Amps, 0.333V output |
| METSECTV29016 | LVCT Solid core 3 in 1 with RJ45 cable, 29 mm phase center, 160 Amps, 0.333V output |
| METSECTV29020 | LVCT Solid core 3 in 1 with RJ45 cable, 29 mm phase center, 200 Amps, 0.333V output |
| METSECTV70080 | LVCT Solid core 3 in 1 with RJ45 cable, 70 mm phase center, 800 Amps, 0.333V output |
| METSECTV70100 | LVCT Solid core 3 in 1 with RJ45 cable, 70 mm phase center, 1000 Amps, 0.333V output |
| METSECTV70125 | LVCT Solid core 3 in 1 with RJ45 cable, 70 mm phase center, 1250 Amps, 0.333V output |
| Cables for PM5563 and Pl | M5563RD |
| METSEPM5CAB03 | RJ25 cable assembly for interfacing PM5563 meter and PM5RD remote display with 0.3 meter cable length |
| METSEPM5CAB1 | RJ25 cable assembly for interfacing PM5563 meter and PM5RD remote display with 1.0 meter cable length |
| METSEPM5CAB10 | RJ25 cable assembly for interfacing PM5563 meter and PM5RD remote display with 10 meter cable length |
| METSEPM5CAB3 | RJ25 cable assembly for interfacing PM5563 meter and PM5RD remote display with 3 meter cable length |
| METSEPM5CAB4 | RJ25 cable assembly for interfacing PM5563 meter and PM5RD remote display with 4 meter cable length |
| Other related products or | accessories |
| METSEPM5RD | Remote display unit for PM5563 power meter supplied with mounting bracket, gasket, anti-rotation pin and RJ25 cable METSEPMCABxy |
| METSEPM51HK | Hardware kit for PM51xx comprises 2 retainer clips and spare connectors for - Voltage in, Control power in, Digital IO & RS-485 |
| METSEPM53HK | Hardware kit for PM51xx comprises 2 retainer clips and spare connectors for - Voltage in, Control power in, Digital IO, Relay & RS-485 |
| METSEPM51_3RSK | Revenue sealing kit for PM51XX & PM53XX |
| METSEPM55RSK | Revenue sealing kit for PM55XX |
| METSEPM55HK | Hardware kit for PM55xx |

Please contact your Schneider Electric representative for complete ordering information.

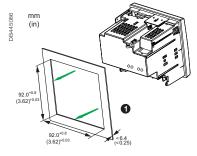
PM5100/PM5300 Series meter mounting

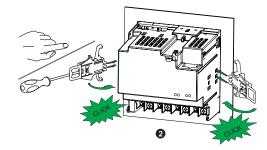


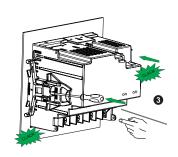




PM5500/PM5600/PM5700 series meter mounting

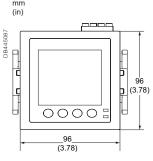


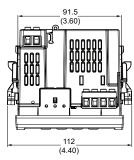




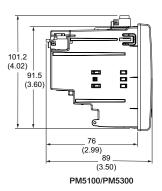
DIMENSIONS AND CONNECTION

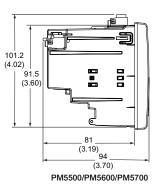
PM5000 series meter dimensions





PM5000



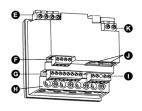


PM5000 series overview



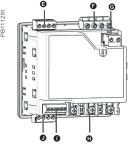
PM5000 meter parts

- A Menu selection buttons
- **B** LED indicators
- Navigation or menu selections
- Maintenance and alarm notification area



PM5500/PM5600/PM5700 meter parts

- Voltage inputs
- F RS-485 comms
- Opening the property of the
- Current inputs
- Digital outputs
- Ethernet portsControl power



PM5100/PM5300 meter parts

- Relay output (PM5300 only)
- **6** Voltage inputs
- **G** Control power
- Current inputs
- Status inputs/digital outputs
- Ocommunications port: Ethernet (PM5300 only) or RS-485)

Please see the appropriate Installation Guide for accurate and complete information on the installation of this product.



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February 2023 PowerLogic™ PM5000 series

PLSED310052EN

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As standards, specifications and designs develop from time to time, please ask for confirmation of the information given in this document.

Over 75 % of Schneider Electric products have been awarded the Green Premium ecolabel.

