

METSEPM8240

PowerLogic PM8000 - PM8240 Panel mount meter - intermediate metering

Product availability : Stock - Normally stocked in distribution facility



Price* : 3775.00 USD



Main

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|---------------------------|-------------------|
| Range | PowerLogic |
| Product name | PowerLogic PM8000 |
| Device short name | PM8240 |
| Product or component type | Power meter |

Complementary

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|---------------------------|--|
| Power quality analysis | Waveform capture Harmonic distortion Programmability (logic and math functions) Voltage sag and swell detection Up to the 63rd harmonic Compliance report EN 50160 Power quality monitoring IEC 62586 Power quality measurement IEC 61000-4-30: class S |
| Device application | WAGES metering Power monitoring |
| Type of measurement | Power factor (total) Apparent power (total) Active and reactive power (total) Active and reactive power (per phase, rms) Apparent power (per phase, rms) Power factor (per phase, rms) Voltage Current Frequency |
| [Us] rated supply voltage | 90...415 V AC +/- 10 % (45...65 Hz) 120...300 V DC +/- 10 % |
| Network frequency | 50 Hz 60 Hz |
| Line Rated Current | 1 A 10 A 5 A |

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| Poles description | 1P + N 3P 3P + N |
| Power consumption in VA | 18...36 VA at 415 V AC |
| Display type | Colour TFT LCD |
| Display resolution | 320 x 240 pixels QVGA |
| Sampling rate | 256 samples/cycle |
| Measurement current | 50 mA...10 A |
| Analogue input type | Current (impedance 0.3 mOhm) Voltage (impedance 5 MOhm) |
| Measurement voltage | 57...400 V AC 42...69 Hz between phase and neutral 100...690 V AC 42...69 Hz between phases |
| Frequency measurement range | 42...69 Hz |
| Number of inputs | 3 digital 30 V AC 3 digital 60 V DC |
| Measurement accuracy | +/- 0.2 % active energy +/- 0.1 % voltage +/- 0.1 % current |
| Accuracy class | Class 0.2 (active energy according to ANSI C12.20) Class 0.2S (active energy according to IEC 62053-22) Class 0.2 (active power according to IEC 61557-12) Class 0.5S (reactive energy according to IEC 62053-24) Class 0.5 (power factor according to IEC 61557-12) Class 0.2 (voltage according to IEC 61557-12) Class 0.2 (current according to IEC 61557-12) |
| Number of outputs | 1 pulse |
| Information displayed | Voltage Current Frequency Power Energy consumption Harmonic distortion |
| Communication port protocol | DNP3 IEC 61850 Modbus RTU 2-wire, : 115 kbauds, ION 2-wire, : 115 kbauds, Modbus TCP/IP Ethernet Modbus TCP/IP daisy chain: 10/100 Mbit/s, RSTP 801.1d 2004 |
| Communication port support | Ethernet RS485 (screw terminal block) |
| Data recording | Data logs Event logs Min/Max of instantaneous values Sequence of event recording Time stamping Trending/Forecasting GPS synchronisation Alarm logs Harmonics logs Sag and swell logs Waveform logs |
| Memory capacity | 512 MB |
| Web services | Alarm notification by e-mail File upload/download via FTP HTTP server Customizable home page |
| Communication service | NTP time synchronization SMTP e-mail notification SNMP RSTP support |
| Mounting mode | Flush-mounted |
| Mounting support | Framework |
| Installation category | III |
| Isolation voltage | IEC 61010-1: CAT III, 400...690 V ed. 3 EN 61010-1: CAT III, 400...690 V ed. 3 |

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| Standards | IEC 61557-12 IEC 62053-22 IEC 62052-11 IEC 62053-24 |
| Product certifications | N998 China RoHS CULus CE |
| Width | 3.78 in (96 mm) |
| Depth | 3.05 in (77.5 mm) |
| Height | 3.78 in (96 mm) |
| Product weight | 20.49 oz (581 g) |

Environment

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|---------------------------------------|---|
| Electromagnetic compatibility | <ul style="list-style-type: none"> • electrical fast transient/burst immunity test, conforming to IEC 61000-4-4 • conducted RF disturbances, conforming to IEC 61000-4-6 • immunity to impulse waves, conforming to IEC 61000-4-12 • radiated radio-frequency electromagnetic field immunity test, conforming to IEC 61000-4-3 • voltage dips and interruptions immunity test, conforming to IEC 61000-4-11 • electrostatic discharge, conforming to IEC 61000-4-2 • surge immunity test, conforming to IEC 61000-4-5 • magnetic field at power frequency, conforming to IEC 61000-4-8 • conducted and radiated emissions, conforming to EN 55022 • conducted and radiated emissions, conforming to EN 55011 • conducted and radiated emissions, conforming to FCC Part 15 • conducted and radiated emissions, conforming to ICES-003 • conducted RF disturbances 2...150 Hz, conforming to CLC/TR 50579 • surge withstand, conforming to IEEE C37.90.1 |
| IP degree of protection | IP30 (body) conforming to IEC 60529 IP54 (front) conforming to IEC 60529 |
| Relative humidity | 5...95 % |
| Ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| Ambient air temperature for storage | -40...185 °F (-40...85 °C) |
| Operating altitude | 9842.52 ft (3000 m) |

Ordering and shipping details

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|-----------------------|------------------------------------|
| Category | 09797 - POWERLOGIC PM8000 HARDWARE |
| Discount Schedule | PL1 |
| GTIN | 00785901449881 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.8000000000000004 |
| Returnability | Y |
| Country of origin | MX |

Offer Sustainability

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|----------------------------------|---|
| Sustainable offer status | Green Premium product |
| RoHS (date code: YYWW) | Compliant - since 1425 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity |
| REACH | Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold |
| Product environmental profile | Available |
| Product end of life instructions | Available |