

Product datasheet

Specifications



Enercept Meter, class 0.2S, Modbus/BACnet RS485, Split Core 100A, ANSI wire code

METSEEM4236B101

⚠ Discontinued on: 01 Dec 2024

⚠ To be discontinued

Main

| | |
|---------------------------|-------------------|
| Range | PowerLogic |
| Product name | PowerLogic EM4200 |
| Product or component type | Energy meter |
| Device short name | Enercept |
| Type of cable | ANSI cable |
| Device application | Power monitoring |

Complementary

| | |
|-----------------------------|---|
| Metering type | Active, reactive, apparent energy (signed, four quadrant) Apparent power S, S1, S2, S3 Demand power P, Q, S Active power P, P1, P2, P3 Reactive power Q, Q1, Q2, Q3 Power factor Average current Iavg Peak demand power PM, QM, SM Frequency Voltage U21, U32, U13, V1, V2, V3 |
| Accuracy class | Class 1 conforming to ANSI C12.1 Class 1S conforming to IEC 62053-22 |
| Measurement accuracy | 1 % |
| Measurement current | 0...100 A |
| Measurement voltage | 90 V AC 45...65 Hz minimum per phase 480 V AC 45...65 Hz between phases 300 V AC 45...65 Hz between phase and neutral |
| Frequency measurement range | 45...65 Hz |
| Network frequency | 50 Hz 60 Hz |
| [In] rated current | 100 A |
| Display type | Without display |
| Local signalling | Status: LED (green and red) Line fault: 3 LED (green, orange and red) Dial pointer indication: LED (yellow) RX/TX: 2 LED (green, orange and red) |
| Signal | Split core current transducer 0.333 V (impedance 33 kOhm) Voltage (impedance 2.5 MOhm)single phase Voltage (impedance 5 MOhm)phase to phase |
| Number of inputs | 0 |
| Number of outputs | 0 |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

| | |
|------------------------------------|---|
| Communication port protocol | Modbus RTU at 9600 bauds...115200 bauds (automatic detection) BACnet MS/TP at 9600 bauds...115200 bauds (automatic detection) |
| Communication of data | Remote control orders Total energy Net energy |
| Demand intervals | External synchronisation to communication Fixed or rolling block |
| Provided equipment | Bracket for support Hook Split core current transducer 3 Fuse |
| Connections - terminals | Input/output: plug-in connector (bottom) 0.2...1.5 mm ² cable(s) Current transformer: plug-in connector (bottom) 0.2...1.5 mm ² cable(s) Communication: plug-in connector (bottom) 0.2...1.5 mm ² cable(s) |
| Wire stripping length | 6 mm |
| Mounting mode | By screws Clip-on By hook |
| Mounting support | Enclosure DIN rail |
| Standards | EN 61010-1 UL 61010-1 CAN/CSA C22.2 No. 61010-1-12 |
| Product certifications | CE conforming to EN 61010-1 CULus conforming to UL 61010-1 BTL ANSI |
| Width | 46.63 mm |
| Depth | 35.81 mm |
| Height | 152.36 mm |

Environment

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|--|---|
| Measurement category | Category III 277 V Category III 300 V |
| Electromagnetic compatibility | Conducted and radiated emissions conforming to FCC part 15 class A Conducted and radiated emissions conforming to EN 61000-6-4 Conducted and radiated emissions conforming to EN 61326 + A1 Immunity to conducted disturbances conforming to EN 61000-6-2 Immunity to conducted disturbances conforming to EN 61326-1 Immunity to radiated fields conforming to EN 61000-6-2 Immunity to radiated fields conforming to EN 61326-1 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Relative humidity | 0...95 % |
| Pollution degree | 2 |
| Ambient air temperature for operation | -30...70 °C |
| Ambient air temperature for storage | -40...85 °C |
| Operating altitude | < 3000 m |

Packing Units

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|-------------------------------------|--------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 97 cm |
| Package 1 Width | 211 cm |

| | |
|------------------|--------|
| Package 1 Length | 241 cm |
|------------------|--------|

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|------------------|-----------|
| Package 1 Weight | 1518.18 g |
|------------------|-----------|

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 101

Environmental Disclosure [Product Environmental Profile](#)

Use Better



Materials and Substances

Packaging made with recycled cardboard No

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

REACH Regulation [REACH Declaration](#)

Use Longer



Lifetime extension

Repair No

Use Again



Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No