

Product datasheet

Specifications



Enercept Meter, class 0.2S, Modbus/BACnet RS485, Split Core 400A, ANSI wire code

METSEEM4236B401

⚠ 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...400 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	400 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

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

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	2336.36 g
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Contractual warranty

Warranty (in months)	18
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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 125

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