Product data sheet

Specifications

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

METSEEM4236B101

Product availability: Non-Stock - Not normally stocked in distribution facility

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 ANSI C12.1 Class 1S 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
Line 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
Communication port protocol	Modbus RTU 9600 bauds...115200 bauds (automatic detection) BACnet MS/TP 9600 bauds...115200 bauds (automatic detection)

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

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) 0.0003…0.002 in² (0.2…1.5 mm²) Current transformer plug-in connector bottom) 0.0003…0.002 in² (0.2…1.5 mm²) Communication plug-in connector bottom) 0.0003…0.002 in² (0.2…1.5 mm²)
Wire stripping length	0.2 in (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	1.84 in (46.63 mm)
Depth	1.41 in (35.81 mm)
Height	6.00 in (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	-22…158 °F (-30…70 °C)
Ambient Air Temperature for Storage	-40…185 °F (-40…85 °C)
Operating altitude	< 9842.52 ft (3000 m)

Ordering and shipping details

Category	US10PL109791
Discount Schedule	0PL1
GTIN	3606489564698
Returnability	Yes
Country of origin	US

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	38.2 in (97 cm)
Package 1 Width	83.07 in (211 cm)
Package 1 Length	94.9 in (241 cm)
Package weight(Lbs)	53.55 oz (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 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**41 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.4 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**57 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**2 kg CO2 eq.**
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 By Exemption**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
California proposition 65	**WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**0**
Circularity Profile	**End of Life Information**
Take-back	**No**