Product data sheet

Specifications

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

METSEEM4236B401

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

Price*: 1,788.72 USD

Main

Range	PowerLogic
Product Name	PowerLogic EM4200
Device Short Name	Enercept
Product Or Component Type	Energy meter
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…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
Line 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

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

Communication Port Protocol	Modbus RTU 9600 bauds...115200 bauds (automatic detection)
	BACnet MS/TP 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) 0.00…0.00 in² (0.2…1.5 mm²)
	Current transformer plug-in connector bottom) 0.00…0.00 in² (0.2…1.5 mm²)
	Communication plug-in connector bottom) 0.00…0.00 in² (0.2…1.5 mm²)

Wire Stripping Length	0.24 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 EN 61010-1
	CULus 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	3606489564711

Returnability	Yes

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Country Of Origin	US

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	38.19 in (97 cm)
Package 1 Width	83.07 in (211 cm)
Package 1 Length	94.88 in (241 cm)
Package 1 Weight	82.41 oz (2336.36 g)

Sustainability

Green Premium^{TM} label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO_2 products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Well-being performance

✓ Reach Free Of Svhc

✓ Mercury Free

✓ Rohs Exemption Information   Yes

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information.
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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