Product data sheet
Characteristics

METSEEM4236B201
Enercept Meter, class 0.2S, Modbus/BACnet RS485, Split Core 200A, ANSI wire code

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 conforming to ANSI C12.1 Class 1S conforming to IEC 62053-22
Measurement accuracy	1 %
Measurement current	0…200 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	200 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 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) 0.00…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. 1010.1-92
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	09791 - POWERLOGIC ENERCEPT POWER METER
Discount Schedule	PL1
Package weight(Lbs)	3.8 lb(US) (1.72 kg)
Returnability	No

Offer Sustainability

REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.