



## 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)<br>Apparent power S, S1, S2, S3<br>Demand power P, Q, S<br>Active power P, P1, P2, P3<br>Reactive power Q, Q1, Q2, Q3<br>Power factor<br>Average current Iavg<br>Peak demand power PM, QM, SM<br>Frequency<br>Voltage U21, U32, U13, V1, V2, V3 |
| Accuracy class              | Class 1 conforming to ANSI C12.1<br>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<br>480 V AC 45...65 Hz between phases<br>300 V AC 45...65 Hz between phase and neutral   |
| Frequency measurement range | 45...65 Hz  |
| Network frequency           | 50 Hz<br>60 Hz  |
| Line Rated Current          | 400 A   |
| Display type                | Without Display   |
| Local signalling            | Status: LED (green and red)<br>Line fault 3 LED green, orange and red)<br>Dial pointer indication: LED (yellow)<br>RX/TX 2 LED green, orange and red)   |
| Signal                      | Split core current transducer 0.333 V (impedance 33 kOhm)<br>Voltage (impedance 2.5 MOhm)single phase<br>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)<br>BACnet MS/TP at 9600 bauds...115200 bauds (automatic detection)  |
| Communication of data       | Remote control orders<br>Total energy<br>Net energy   |
| Demand intervals            | External synchronisation to communication<br>Fixed or rolling block   |
| Provided equipment          | Bracket for support<br>Hook<br>Split core current transducer 3<br>Fuse  |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

|                         |   |
|-------------------------|---|
| Connections - terminals | Input/Output plug-in connector bottom) 0.00...0.00 in <sup>2</sup> (0.2...1.5 mm <sup>2</sup> )<br>Current transformer plug-in connector bottom) 0.00...0.00 in <sup>2</sup> (0.2...1.5 mm <sup>2</sup> )<br>Communication plug-in connector bottom) 0.00...0.00 in <sup>2</sup> (0.2...1.5 mm <sup>2</sup> ) |
| Wire stripping length   | 0.24 in (6 mm)  |
| Mounting mode           | By screws<br>Clip-on<br>By hook   |
| Mounting support        | Enclosure<br>DIN rail   |
| Standards               | EN 61010-1<br>UL 61010-1<br>CAN/CSA C22.2 No. 1010.1-92   |
| Product certifications  | CE EN 61010-1<br>CULus UL 61010-1<br>BTL<br>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<br>Category III 300 V  |
| Electromagnetic compatibility         | Conducted and radiated emissions conforming to FCC part 15 class A<br>Conducted and radiated emissions conforming to EN 61000-6-4<br>Conducted and radiated emissions conforming to EN 61326 + A1<br>Immunity to conducted disturbances conforming to EN 61000-6-2<br>Immunity to conducted disturbances conforming to EN 61326-1<br>Immunity to radiated fields conforming to EN 61000-6-2<br>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) | 5.14 lb(US) (2.33 kg)                   |
| Returnability       | No                                      |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes   |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.      |