



Main

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| Range | PowerLogic |
| Product or component type | Multi-circuit energy meter |
| Product name | PowerLogic EM4900 |
| Device short name | EM4914 |
| Power monitoring | Basic instrumentation |
| Energy management | Sub billing and cost allocation Billing analysis |
| Device application | Sub billing |
| Type of measurement | Current per phase, rms Current average Phase angle Active power total Active power per phase Apparent power total Apparent power per phase Power factor average Power factor per phase Active energy |
| Metering type | Demand power P Demand current I1, I2, I3, peak demand current IM1, IM2, IM3 |
| [Us] rated supply voltage | 100...277 V AC 50/60 Hz |
| Network frequency | 50 Hz 60 Hz |

Complementary

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| Sampling rate | 256 samples/cycle |
| Current transformer input | 42 solid core CT 0.333 V single pole 21 solid core CT 0.333 V single phase 14 solid core CT 0.333 V three phase 42 split core CT 0.333 V single pole 21 split core CT 0.333 V single phase 14 split core CT 0.333 V three phase |
| Measurement voltage | 150...480 V AC 50/60 Hz between phases 90...277 V AC 50/60 Hz between phase and neutral |
| Measurement accuracy | Power +/- 0.5 % of the measuring range Energy +/- 0.5 % of the measuring range Current +/- 0.5 % of the measuring range Voltage +/- 0.5 % of the measuring range |
| Communication port protocol | Modbus RTU 9600, 19200, 38400 bps even/odd or none - 2 or 4 wires |
| Communication port support | RS485 screw block terminal |
| Data update rate | 2 s Modbus) 14 s BACnet) 20 s SNMP) |
| Data recording | Maximum of demand active power Maximum of instantaneous current Maximum of demand current |
| Communication of data | High current alarm Low current alarm Total energy High-high current alarm Under voltage alarm Over voltage alarm Low-low current alarm |
| Communication service | Updating firmware |

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.

Environment

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| Mounting mode | Wall mount |
| Installation category | III |
| Pollution degree | 2 |
| Ambient air temperature for operation | 32...140 °F (0...60 °C) |
| Ambient air temperature for storage | -40...158 °F (-40...70 °C) |
| Standards | IEC 61010 UL 508 |
| Maximum Width | 11.34 in (288 mm) |
| Maximum Depth | 5.75 in (146 mm) |
| Net Weight | 3.31 lb(US) (1.5 kg) |

Ordering and shipping details

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|-----------------------|--|
| Category | 09793 - PLOGIC BRANCH CIRCUIT BCPM & MCM |
| Discount Schedule | PL1 |
| GTIN | 00785901021452 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 3 lb(US) (1.36 kg) |
| Returnability | No |

Offer Sustainability

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| California proposition 65 | WARNING: This product can expose you to chemicals which are known to the State of California to cause Carcinogen and Reproductive harm. For more information go to www.p65warnings.ca.gov |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |