



### Main

|                                     |  |
|-------------------------------------|--|
| Range of product                    | PowerLogic   |
| Product name                        | PowerTag M630  |
| Product or component type           | Energy sensor  |
| Poles                               | 3P + N   |
| Maximum current [I <sub>max</sub> ] | 630 A  |
| [I <sub>b</sub> ] basic current     | 100 A  |
| Starting current                    | 400 mA   |
| Saturation current                  | 1260 A   |
| Product specific application        | Energy management<br>Overload alarm<br>Power factor<br>Load monitoring<br>Circuit monitoring   |
| Concentrator compatibility          | Acti9 Smartlink SI B<br>Acti9 Smartlink SI D<br>Acti9 PowerTag Link C<br>Acti9 PowerTag Link<br>Acti9 PowerTag Link HD<br>Harmony Hub<br>Wiser IP module   |
| Range compatibility                 | Compact NSX Compact NSX400...630<br>Compact INS Compact INS320...630<br>Compact INV Compact INV320...630<br>Compact NS Compact NS400/630   |
| Type of measurement                 | Active and reactive energy<br>Active and reactive power<br>Apparent power<br>Current<br>Voltage<br>Power factor  |
| Accuracy class                      | Class 1 active energy conforming to IEC 61557-12<br>Class 2 reactive energy conforming to IEC 61557-12<br>Class 1 active power conforming to IEC 61557-12<br>Class 2 reactive power conforming to IEC 61557-12<br>Class 2 apparent power conforming to IEC 61557-12<br>Class 1 current conforming to IEC 61557-12<br>Class 0.5 voltage conforming to IEC 61557-12<br>Class 1 power factor conforming to IEC 61557-12   |
| Metering type                       | Power factor 0...1: class 1 at 25 °C conforming to IEC 61557-12<br>Active energy E <sub>p</sub> IN/OUT/tot 0...281 x 10 <sup>exp</sup> (9) kWh: class 1 at 25 °C conforming to IEC 61557-12<br>Reactive energy E <sub>p</sub> IN/OUT/tot 0...281 x 10 <sup>exp</sup> (9) kVARh: class 2 at 25 °C conforming to IEC 61557-12<br>Voltage U12, U23, U31 320...480 V: class 0.5 at 25 °C conforming to IEC 61557-12<br>Voltage V1N, V2N, V3N 184...276 V: class 0.5 at 25 °C conforming to IEC 61557-12<br>Current I1, I2, I3, Iavg 20...630 A: class 1 at 25 °C conforming to IEC 61557-12<br>Apparent power S, S1, S2, S6 221 VA...1048 kVA: class 2 at 25 °C conforming to IEC 61557-12<br>Active power P, P1, P2, P6 221 W...1048 kW: class 1 at 25 °C conforming to IEC 61557-12<br>Reactive power Q, Q1, Q2, Q6 221 VAR...1048 kVAR: class 2 at 25 °C conforming to IEC 61557-12<br>Frequency 45...65 Hz |
| Mounting location                   | Bottom   |
| Mounting support                    | On circuit breaker   |

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.

|                             |   |
|-----------------------------|---|
| Connection pitch            | 45 mm   |
| Product destination         | Switchboard   |
| Event management            | Voltage loss with measured current at voltage loss  |
| Transmission support medium | Radio frequency 2.4...2.4835 GHz conforming to IEEE 802.15.4 (11...26) transmission time < 5 ms |
| Maximum emission power      | 10 mW   |

## Complementary

|                                 |   |
|---------------------------------|---|
| [Imp] maximum permanent current | 1.2 x I <sub>n</sub>  |
| Mounting mode                   | Bolt-on   |
| Tightening torque               | 50 N.m  |
| Supply voltage                  | 230 V AC, +/- 20 %, between phase and neutral<br>400 V AC, +/- 20 %, between phases |
| Network frequency               | 50 Hz<br>60 Hz  |
| Maximum power consumption       | 3.7 VA  |
| Standards                       | IEC 61557-12<br>IEC 61010   |
| Height                          | 91 mm   |
| Width                           | 185 mm  |
| Depth                           | 110 mm  |
| Net weight                      | 1000 g  |
| Colour                          | Dark grey (RAL 7016)  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Quality labels                        | CE  |
| Directives                            | 2014/53/EU - radio equipment directive        |
| Operating altitude                    | 0...2000 m                                    |
| Ambient air temperature for operation | -25...70 °C                                   |
| Ambient air temperature for storage   | -50...85 °C                                   |
| Overvoltage category                  | IV conforming to IEC 61010-1                  |
| Measurement category                  | Category III conforming to IEC 61010-2-030    |
| IP degree of protection               | IP20  |
| IK degree of protection               | IK07 conforming to IEC 60068-2-75 test Ehb    |
| Pollution degree                      | 3   |
| Relative humidity                     | 0...95 % at 55 °C conforming to IEC 60721-3-3 |
| Vibration resistance                  | 3M4 conforming to IEC 60721-3-3               |
| Environmental characteristics         | Indoor use                                    |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 1.34 kg  |
| Package 1 Height             | 11.7 cm  |
| Package 1 width              | 15.2 cm  |
| Package 1 Length             | 16.5 cm  |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 2        |
| Package 2 Weight             | 2.68 kg  |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Unit Type of Package 3       | P06      |
| Number of Units in Package 3 | 32       |
| Package 3 Weight             | 42.88 kg |

|                  |       |
|------------------|-------|
| Package 3 Height | 60 cm |
| Package 3 width  | 80 cm |
| Package 3 Length | 60 cm |

### Offer Sustainability

|                            |   |
|----------------------------|---|
| 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>        |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a> |
| Circularity Profile        | <a href="#">End Of Life Information</a>       |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|