

# Product data sheet

Specifications



## energy sensor, PowerTag Monoconnect 63A 1P+Wire top and bottom position

A9MEM1520

### Main

|                              |                                                                                                                                                                                                                                                                                                                    |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product             | PowerLogic                                                                                                                                                                                                                                                                                                         |
| Product name                 | PowerTag A9 M63                                                                                                                                                                                                                                                                                                    |
| Product or component type    | Energy sensor                                                                                                                                                                                                                                                                                                      |
| Poles                        | 1P                                                                                                                                                                                                                                                                                                                 |
| Maximum current [Imax]       | 63 A                                                                                                                                                                                                                                                                                                               |
| [Ib] Basic current           | 10 A                                                                                                                                                                                                                                                                                                               |
| Starting current             | 40 mA                                                                                                                                                                                                                                                                                                              |
| Saturation current           | 130 A                                                                                                                                                                                                                                                                                                              |
| Product specific application | Load monitoring<br>Overload alarm<br>Cost allocation<br>Circuit monitoring<br>Energy management                                                                                                                                                                                                                    |
| Concentrator compatibility   | EcoStruxure Panel Server Entry<br>EcoStruxure Panel Server Universal<br>EcoStruxure Panel Server Advanced<br>Wiser hub generation 2<br>Acti9 Smartlink SI B<br>Acti9 Smartlink SI D<br>Acti9 PowerTag Link<br>Acti9 PowerTag Link HD                                                                               |
| Application                  | Buildings: breaker voltage monitoring<br>Buildings: cost allocation<br>Buildings: overload alarm                                                                                                                                                                                                                   |
| Range compatibility          | Acti9 Acti9 iKQE RCBO<br>Multi9 Multi9 C60<br>Multi9 Multi9 ID<br>Multi9 Multi9 C32N<br>Multi9 Multi9 C65<br>Acti9 Acti9 iID<br>Acti9 Acti9 iID K<br>Acti9 Acti9 iK60<br>Acti9 Acti9 iKQ<br>Acti9 Acti9 K60<br>Acti9 Acti9 Reflex iC60<br>Acti9 Acti9 iC65<br>Acti9 Acti9 DT60<br>Acti9 Acti9 iC60 single terminal |
| Type of measurement          | Voltage<br>Power factor<br>Active energy<br>Current<br>Active power                                                                                                                                                                                                                                                |
| Accuracy class               | Class 1 current conforming to IEC 61557-12<br>Class 0.5 voltage conforming to IEC 61557-12<br>Class 1 active power conforming to IEC 61557-12<br>Class 1 active energy conforming to IEC 61557-12<br>Class 1 power factor conforming to IEC 61557-12                                                               |

Disclaimer: 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

|                             |                                                              |
|-----------------------------|--------------------------------------------------------------|
| Mounting location           | Top or bottom                                                |
| Mounting support            | On circuit breaker                                           |
| 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 |
| Emission power              | 10 mW                                                        |

## Complementary

|                                                        |                                                                                                                              |
|--------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Form factor                                            | Monoconnect                                                                                                                  |
| Mounting mode                                          | By screws (terminals)                                                                                                        |
| Electrical connection (voltage sensing & power supply) | Connector tooth and wire                                                                                                     |
| Cable cross section                                    | 1 rigid cable 1.5...16 mm²<br>2 stranded cable 1.5...2.5 mm²<br>2 rigid cable 1.5...2.5 mm²<br>1 stranded cable 1.5...16 mm² |
| Cable length                                           | 1 m                                                                                                                          |
| supply voltage                                         | 200...240 V AC, +/- 20 %                                                                                                     |
| Cable composition                                      | 1 x 0.33 mm²                                                                                                                 |
| Network frequency                                      | 50 Hz<br>60 Hz                                                                                                               |
| Maximum power consumption                              | 1 VA                                                                                                                         |
| Standards                                              | IEC 61557-12<br>IEC 61010-1<br>IEC 61010-2-030<br>IEC 61326-1<br>ETSI EN 300 328<br>ETSI EN 301 489-1                        |
| Product certifications                                 | IEC<br>DNV Marine                                                                                                            |
| Height                                                 | 16.5 mm                                                                                                                      |
| Width                                                  | 18 mm                                                                                                                        |
| Depth                                                  | 43 mm                                                                                                                        |
| Product weight                                         | 16.4 g                                                                                                                       |
| Colour                                                 | White (RAL 9003)                                                                                                             |
| Compatibility code                                     | PowerTag A9 M63                                                                                                              |

## Environment

|                                       |                                            |
|---------------------------------------|--------------------------------------------|
| Quality labels                        | CE                                         |
| Directives                            | 2014/53/EU - radio equipment directive     |
| Operating altitude                    | 0...2000 m                                 |
| Ambient air temperature for operation | -25...60 °C                                |
| Ambient air temperature for storage   | -40...85 °C                                |
| Overvoltage category                  | III conforming to IEC 61010-1              |
| Measurement category                  | Category III conforming to IEC 61010-2-030 |
| IP degree of protection               | IP20 conforming to IEC 60529               |
| IK degree of protection               | IK05                                       |

|                               |                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Pollution degree              | 3                                                                                                                                                                     |
| Relative humidity             | 0...95 % at 45 °C conforming to IEC 60721-3-3                                                                                                                         |
| Vibration resistance          | 3M4 conforming to IEC 60721-3-3                                                                                                                                       |
| Electromagnetic compatibility | Industrial electromagnetic environment conforming to IEC 61326-1<br>Radiated EMC conforming to ETSI EN 301 489-17<br>Electromagnetic emission conforming to IEC 62311 |
| environmental characteristics | Dustproof class 3S3 conforming to IEC 60721-3-3<br>Salt mist class 3C2 conforming to IEC 60721-3-3<br>Indoor use                                                      |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 5.000 cm  |
| Package 1 Width              | 6.000 cm  |
| Package 1 Length             | 8.500 cm  |
| Package 1 Weight             | 43.000 g  |
| Unit Type of Package 2       | S02       |
| Number of Units in Package 2 | 48        |
| Package 2 Height             | 15.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 2.426 kg  |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 14 kg CO2 eq.                                 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.8 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 13 kg CO2 eq.                                 |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0 kg CO2 eq.                                  |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                    |
| Packaging without single use plastic   | Yes                                                                                    |
| SCIP Number                            | 49e3d962-6d38-466e-8617-c31cb897e71c                                                   |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %   | 25                                                                                                                                                                                                              |
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |