# Product datasheet

Specifications

Green Premium™

## energy sensor, PowerTag Monoconnect 63A 1P+N top position

A9MEM1521

## Main

| | |
|---|---|
| **Range Of Product** | PowerLogic |
| **Product Name** | PowerTag A9 M63 |
| **Product Or Component Type** | Energy sensor |
| **Poles** | 1P + N |
| **Maximum Current [Imax]** | 63 A |
| **[Ib] Basic Current** | 10 A |
| **Starting Current** | 40 mA |
| **Saturation Current** | 130 A |
| **Product Specific Application** | Overload alarm<br>Cost allocation<br>Circuit monitoring<br>Load monitoring<br>Energy management |
| **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>Wiser IP module<br>EcoStruxure Panel Server Universal<br>EcoStruxure Panel Server Advanced<br>PrismaSet Active |
| **Range Compatibility** | Acti 9 Acti9 iKQE RCBO<br>Multi9 Multi9 C60<br>Multi9 Multi9 ID<br>Multi9 Multi9 C32N<br>Multi9 Multi9 C65<br>Acti 9 Acti9 iID<br>Acti 9 Acti9 iID K<br>Acti 9 Acti9 iK60<br>Acti 9 Acti9 iKQ<br>Acti 9 Acti9 K60<br>Acti 9 Acti9 Reflex iC60<br>Acti 9 Acti9 iC65<br>Acti 9 Acti9 DT60<br>Acti 9 Acti9 iC60 single terminal |
| **Type Of Measurement** | Power factor<br>Current<br>Active energy<br>Active power<br>Voltage |
| **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 |
| **Mounting Location** | Top |

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 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

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|---|---|
| **Mounting Mode** | By screws (terminals) |
| **Electrical Connection (Voltage Sensing & Power Supply)** | Connector tooth |
| **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 |
| **Supply Voltage** | 200...240 V AC, +/- 20 % |
| **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 301 487-1 |
| **Height** | 16.5 mm |
| **Width** | 36 mm |
| **Depth** | 43 mm |
| **Net Weight** | 17.5 g |
| **Colour** | White (RAL 9003) |

## Environment

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|---|---|
| **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 |

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|---|---|
| **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

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|---|---|
| **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** | 47.000 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** | 2.500 kg |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

Mercury Free

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|---|---|
| Rohs Exemption Information | Yes |

## Certifications & Standards

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| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>Product out of China RoHS scope. Substance declaration for your information |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | End of Life Information |