# Product datasheet

Specifications

Green Premium™

## iPRD8 modular surge arrester - 4P - 350V

A9L08400

**Price: 117,136.36 NGN**

## Main

| | |
|---|---|
| **Range Of Product** | Acti9 |
| **Product Name** | Acti9 iPRD |
| **Product Or Component Type** | Surge arrester with pluggable cartridge |
| **Device Short Name** | iPRD8 |
| **Device Application** | Distribution |
| **Standards** | EN 61643-11:2012<br>IEC 61643-11:2011 |
| **Product Certifications** | CE |
| **Quality Labels** | KEMA-KEUR<br>NF |
| **Poles Description** | 4P |
| **Remote Signalling** | Without |
| **Surge Arrester Type** | Electrical distribution network |
| **Earthing System** | TN-C-S |

## Complementary

| | |
|---|---|
| **Surge Arrester Class Type** | Type 2 + 3 |
| **Surge Arrester Technology** | MOV + GDT |
| **[Ue] Rated Operational Voltage** | 230/400 V AC (+/- 10 %) at 50/60 Hz |
| **[In] Nominal Discharge Current** | Common mode: 2.5 kA (L/PE)<br>Common mode: 2.5 kA (N/PE) |
| **[Imax] Maximum Discharge Current** | Common mode: 8 kA L/PE<br>Common mode: 8 kA N/PE |
| **[Uoc] Open Circuit Voltage** | 10 kV type 3 common mode L/PE<br>10 kV type 3 common mode N/PE |
| **[Uc] Maximum Continuous Operating Voltage** | Common mode: 260 V N/PE<br>Common mode: 350 V L/PE |
| **Maximum [Up] Voltage Protection Level** | Common mode <1.1 kV type 2 L/PE<br>Common mode <1.1 kV type 2 N/PE<br>Common mode <1.2 kV type 3 N/PE<br>Common mode <1.2 kV type 3 L/PE |
| **[Ut] Temporary Overvoltage** | 337 V L/N 5 s withstand<br>1200 V N/PE 200 ms safe failure mode |
| **Disconnector Device Type** | Associated circuit breaker iC60L 10 A curve C - Icu 25 kA<br>Associated circuit breaker IC60N 10 A curve C - Icu 10 kA<br>Associated circuit breaker iC60H 10 A curve C - Icu 15 kA<br>Associated fuse gG 25 A - Icu 15 kA<br>Associated fuse gG 80 A - Icu 50 kA |

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 Mode** | Clip-on (DIN rail) |
| **9 Mm Pitches** | 8 |
| **Height** | 85 mm |
| **Width** | 72 mm |
| **Depth** | 69 mm |
| **Net Weight** | 0.416 kg |
| **Colour** | White (RAL 9003) |
| **[Ipe] Ground Residual Current** | 0.003 mA<br>0.6 mA |
| **Connections - Terminals** | Tunnel type terminal (downside) 2.5…35 mm²<br>Tunnel type terminal (upside) 2.5…35 mm² |
| **Tightening Torque** | 2.5 N.m |

## Environment

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|---|---|
| **Ik Degree Of Protection** | IK03 conforming to IEC 62262 |
| **Relative Humidity** | 5…95 % |
| **Operating Altitude** | 2000 m |
| **Ambient Air Temperature For Operation** | -25…60 °C |
| **Ambient Air Temperature For Storage** | -40…85 °C |

## Packing Units

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|---|---|
| **Unit Type Of Package 1** | PCE |
| **Number Of Units In Package 1** | 1 |
| **Package 1 Height** | 7.5 cm |
| **Package 1 Width** | 8 cm |
| **Package 1 Length** | 9.2 cm |
| **Package 1 Weight** | 443 g |
| **Unit Type Of Package 2** | BB1 |
| **Number Of Units In Package 2** | 3 |
| **Package 2 Height** | 8 cm |
| **Package 2 Width** | 9.5 cm |
| **Package 2 Length** | 27.5 cm |
| **Package 2 Weight** | 1.392 kg |
| **Unit Type Of Package 3** | S03 |
| **Number Of Units In Package 3** | 27 |
| **Package 3 Height** | 30 cm |
| **Package 3 Width** | 30 cm |
| **Package 3 Length** | 40 cm |
| **Package 3 Weight** | 13.081 kg |

## Contractual warranty

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

## 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

Reach Free Of Svhc

Rohs Exemption Information Yes

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration<br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| **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 |