

# Product data sheet

Specifications



## iPRF1 12.5r modular surge arrester - 3P + N - 350V - with remote transfert

A9L16634

⚠ Discontinued on: Dec 2, 2020

⚠ Discontinued

### Main

|                             |                                       |
|-----------------------------|---------------------------------------|
| Range Of Product            | Acti9                                 |
| Product Name                | Acti9 iPRF1                           |
| Product Or Component Type   | Surge arrester                        |
| Device Short Name           | iPRF1 12.5r                           |
| Device Application          | Distribution                          |
| Standards                   | EN 61643-11:2012<br>IEC 61643-11:2011 |
| Product Certifications      | CE<br>EAC                             |
| Poles Description           | 3P + N                                |
| Remote Signalling           | With                                  |
| Signal Contacts Composition | 1 SD (1 C/O)                          |
| Surge Arrester Type         | Electrical distribution network       |
| Earthing System             | TT<br>TN-S                            |

### Complementary

|   |  |
|---|--|
| Surge Arrester Class Type                 | Type 1 + 2   |
| Surge Arrester Technology                 | MOV + GDT  |
| [Ue] Rated Operational Voltage            | 230/400 V AC (+/- 10 %) at 50 Hz   |
| [In] Nominal Discharge Current            | Differential mode: 25 kA (L/N)<br>Common mode: 25 kA (N/PE)  |
| [Imax] Maximum Discharge Current          | 50 kA  |
| [Iimp] Impulse Current                    | Common mode: 50 kA N/PE 25 A.s<br>Differential mode: 12.5 kA L/N 6.25 A.s  |
| [Uc] Maximum Continuous Operating Voltage | Differential mode: 350 V L/N<br>Common mode: 255 V N/PE  |
| Maximum [Up] Voltage Protection Level     | Common mode <1.5 kV type 1 N/PE<br>Differential mode <1.5 kV type 1 L/N  |
| [Ifi] Follow Current                      | 0.1 kA common mode N/PE  |
| Disconnecter Device Type                  | Associated circuit breaker NG125N 80 A curve C - Icu 15 kA<br>Associated circuit breaker NG125N 80 A curve C - Icu 25 kA<br>Associated circuit breaker NG125H 80 A curve C - Icu 36 kA<br>Associated circuit breaker NG125L 80 A curve C - Icu 50 kA<br>Associated fuse gG 160 A standard<br>Associated circuit breaker C120N 80 A curve C - Icu 10 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

|                            |   |
|----------------------------|---|
| Signalling Circuit Voltage | 1.5 A/250 V AC 50/60 Hz   |
| Mounting Mode              | Clip-on (DIN rail)  |
| 9 Mm Pitches               | 8   |
| Height                     | 84 mm   |
| Width                      | 72 mm   |
| Depth                      | 71 mm   |
| Net Weight                 | 590 g   |
| Colour                     | White (RAL 9003)  |
| Material                   | PA6   |
| Connections - Terminals    | Tunnel type terminal10...35 mm² rigid<br>Tunnel type terminal10...25 mm² flexible |
| Tightening Torque          | 2.5 N.m   |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Ik Degree Of Protection               | IK05 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...80 °C                  |

## Contractual warranty

|          |           |
|----------|-----------|
| 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<sub>2</sub> products.

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

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Transparency   RoHS/REACH

## Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information   Yes

## Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | No need of specific recycling operations  |