

# Product datasheet

Specifications



## iPRD65r modular surge arrester - 1P - 350V - with remote transfert

A9L65101

### Main

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Range of product            | IPRD                                    |
| range of product            | Acti9                                   |
| product name                | Acti9 iPRD                              |
| Product or component type   | Surge arrester with pluggable cartridge |
| Device short name           | iPRD65r                                 |
| Device application          | Distribution                            |
| Standards                   | EN 61643-11:2012<br>IEC 61643-11:2011   |
| Product certifications      | CE                                      |
| Quality labels              | KEMA-KEUR<br>NF                         |
| Poles description           | 1P                                      |
| Remote signalling           | With                                    |
| Signal contacts composition | 1 SD (1 C/O)                            |
| Surge arrester type         | Electrical distribution network         |
| Earthing system             | IT 230<br>TN-C                          |

### Complementary

|                                           |                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Surge arrester class type                 | Type 2                                                                                                                                                                                                                                                                                                                                                  |
| Surge arrester technology                 | MOV                                                                                                                                                                                                                                                                                                                                                     |
| [Ue] rated operational voltage            | 230 V AC (+/- 10 %) at 50/60 Hz                                                                                                                                                                                                                                                                                                                         |
| [In] nominal discharge current            | Common mode: 20 kA (L/PE)<br>Common mode: 20 kA (N/PE)                                                                                                                                                                                                                                                                                                  |
| [Imax] maximum discharge current          | Common mode: 65 kA L/PE                                                                                                                                                                                                                                                                                                                                 |
| [Uc] maximum continuous operating voltage | Common mode: 350 V L/PE<br>Common mode: 350 V N/PE                                                                                                                                                                                                                                                                                                      |
| Maximum [Up] voltage protection level     | Common mode <1.5 kV type 2 L/PE                                                                                                                                                                                                                                                                                                                         |
| [Ut] temporary overvoltage                | 337 V L/N 5 s withstand<br>1200 V N/PE 200 ms safe failure mode                                                                                                                                                                                                                                                                                         |
| Disconnecter device type                  | Associated circuit breaker IC60N 50 A curve C - Icu 10 kA<br>Associated circuit breaker iC60H 50 A curve C - Icu 15 kA<br>Associated circuit breaker NG125N 50 A curve C - Icu 25 kA<br>Associated circuit breaker NG125H 50 A curve C - Icu 36 kA<br>Associated circuit breaker NG125L 50 A curve C - Icu 50 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

|                               |                                                                                            |
|-------------------------------|--------------------------------------------------------------------------------------------|
| Signalling circuit voltage    | 0.25 A/250 V AC 50/60 Hz                                                                   |
| Mounting mode                 | Clip-on (DIN rail)                                                                         |
| 9 mm pitches                  | 2                                                                                          |
| Height                        | 85 mm                                                                                      |
| Width                         | 18 mm                                                                                      |
| Depth                         | 69 mm                                                                                      |
| Net weight                    | 0.136 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                                                                                    |
| Compatibility code            | IPRD65r                                                                                    |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| 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

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 7.000 cm  |
| Package 1 Width              | 2.000 cm  |
| Package 1 Length             | 9.000 cm  |
| Package 1 Weight             | 158.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 8.000 cm  |
| Package 2 Width              | 10.000 cm |
| Package 2 Length             | 27.500 cm |
| Package 2 Weight             | 1.987 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 108       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 17.543 kg |

# Contractual warranty

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

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 >](#)

|                                                                                                                      |                                                                                                                                                                                                                           |
|----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Environmental footprint</div>  |                                                                                                                                                                                                                           |
| Environmental Disclosure                                                                                             | <a href="#">Product Environmental Profile</a>                                                                                                                                                                             |
| Use Better                                                                                                           |                                                                                                                                                                                                                           |
| <div>Materials and Substances</div> |                                                                                                                                                                                                                           |
| <a href="#">EU RoHS Directive</a>                                                                                    | Compliant                                                                                                                                                                                                                 |
| REACH Regulation                                                                                                     | <a href="#">REACH Declaration</a>                                                                                                                                                                                         |
| Use Again                                                                                                            |                                                                                                                                                                                                                           |
| <div>Repack and remanufacture</div> |                                                                                                                                                                                                                           |
| Circularity Profile                                                                                                  | <a href="#">End of Life Information</a>                                                                                                                                                                                   |
| WEEE                                                                                                                 | <div>The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins</div> |
| Take-back                                                                                                            | No                                                                                                                                                                                                                        |