

# Product datasheet

Specifications



## Modular surge arrester, Acti9 iPRD1 12.5r , 1 P, 230 V, with remote transfert

A9L16182

### Main

|                             |                                       |
|-----------------------------|---------------------------------------|
| Range of product            | Acti9                                 |
| Product name                | Acti9 iPRD1                           |
| Product or component type   | Surge arrester                        |
| Device short name           | iPRD1 12.5                            |
| Device application          | Distribution                          |
| Standards                   | EN 61643-11:2012<br>IEC 61643-11:2011 |
| Quality labels              | CE<br>EAC<br>VDE                      |
| Poles description           | 1P                                    |
| Remote signalling           | With                                  |
| Signal contacts composition | 1 SD (1 C/O)                          |
| Surge arrester type         | Electrical distribution network       |
| Earthing system             | TN-C                                  |

### Complementary

|   |  |
|---|--|
| Surge arrester class type                 | Type 1 + 2   |
| Surge arrester technology                 | MOV + GDT  |
| [Ue] rated operational voltage            | 230 V AC (+/- 10 %) at 50...60 Hz  |
| [In] nominal discharge current            | 20 kA  |
| [Imax] maximum discharge current          | 50 kA  |
| [Iimp] impulse current                    | Common mode: 12.5 kA L/PE  |
| [Uc] maximum continuous operating voltage | Common mode: 350 V L/PE  |
| Maximum [Up] voltage protection level     | <1.5 kV type 1 + 2   |
| Residual current                          | 0.9 mA L/PE  |
| [Ut] temporary overvoltage                | 442 V L/PE 120 min withstand<br>1455 V L/PE 200 ms safe failure mode                                       |
| Disconnecter device type                  | Associated fuse gG 160 A 120 kA standard<br>Associated circuit breaker Compact NSX160E 80 A 25 kA standard |

|                                |  |
|--------------------------------|--|
| <b>Local signalling</b>        | Operating: mechanical indicator (white)<br>End of life: mechanical indicator (red)   |
| <b>Mounting mode</b>           | Clip-on (DIN rail)   |
| <b>9 mm pitches</b>            | 2  |
| <b>Height</b>                  | 89 mm  |
| <b>Width</b>                   | 18 mm  |
| <b>Depth</b>                   | 69 mm  |
| <b>Net weight</b>              | 171 g  |
| <b>Colour</b>                  | White (RAL 9003)   |
| <b>Material</b>                | PA6  |
| <b>Connections - terminals</b> | Tunnel type terminal (phase) 10...25 mm <sup>2</sup> flexible<br>Tunnel type terminal (phase) 10...35 mm <sup>2</sup> rigid<br>Tunnel type terminal (earth) 16...25 mm <sup>2</sup> flexible<br>Tunnel type terminal (earth) 16...35 mm <sup>2</sup> rigid |
| <b>Wire stripping length</b>   | 14 mm  |
| <b>Tightening torque</b>       | 3.5 N.m  |

## Environment

|  |                              |
|--|------------------------------|
| <b>IK degree of protection</b>               | IK05 conforming to IEC 62262 |
| <b>Pollution degree</b>                      | 3                            |
| <b>Relative humidity</b>                     | 5...95 %                     |
| <b>Operating altitude</b>                    | 2000 m                       |
| <b>Ambient air temperature for operation</b> | -25...60 °C                  |
| <b>Ambient air temperature for storage</b>   | -40...80 °C                  |

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Weight</b>             | 189.0 g  |
| <b>Package 1 Height</b>             | 2.0 cm   |
| <b>Package 1 width</b>              | 8.0 cm   |
| <b>Package 1 Length</b>             | 9.0 cm   |
| <b>Unit Type of Package 2</b>       | BB1      |
| <b>Number of Units in Package 2</b> | 12       |
| <b>Package 2 Weight</b>             | 2.342 kg |
| <b>Package 2 Height</b>             | 8.5 cm   |
| <b>Package 2 width</b>              | 10.0 cm  |
| <b>Package 2 Length</b>             | 27.5 cm  |
| <b>Unit Type of Package 3</b>       | S02      |
| <b>Number of Units in Package 3</b> | 36       |
| <b>Package 3 Weight</b>             | 7.273 kg |
| <b>Package 3 Height</b>             | 15.0 cm  |
| <b>Package 3 width</b>              | 30.0 cm  |
| <b>Package 3 Length</b>             | 40.0 cm  |

## Offer Sustainability

|                                   |   |
|-----------------------------------|---|
| <b>Sustainable offer status</b>   | Green Premium product   |
| <b>REACH Regulation</b>           | <a href="#">REACH Declaration</a>   |
| <b>REACH free of SVHC</b>         | Yes   |
| <b>EU RoHS Directive</b>          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| <b>Toxic heavy metal free</b>     | Yes   |
| <b>Mercury free</b>               | Yes   |
| <b>RoHS exemption information</b> | <a href="#">Yes</a>   |
| <b>China RoHS Regulation</b>      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope)                 |
| <b>Environmental Disclosure</b>   | <a href="#">Product Environmental Profile</a>   |
| <b>Circularity Profile</b>        | <a href="#">End of Life Information</a>   |
| <b>WEEE</b>                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |