

# Product data sheet

Specifications



## iPRD20 modular surge arrester - 3P + N - 350V

A9L20600

### Main

|                           |   |
|---------------------------|---|
| Range of product          | Acti9                                   |
| Product name              | Acti9 iPRD                              |
| Product or component type | Surge arrester with pluggable cartridge |
| Device short name         | iPRD20                                  |
| Device application        | Distribution                            |
| Standards                 | EN 61643-11:2012<br>IEC 61643-11:2011   |
| Product certifications    | CE                                      |
| Quality labels            | NF<br>KEMA-KEUR                         |
| Poles description         | 3P + N                                  |
| Remote signalling         | Without                                 |
| Surge arrester type       | Electrical distribution network         |
| Earthing system           | TT<br>TN-S                              |

### Complementary

|   |   |
|---|---|
| Surge arrester class type                 | Type 2  |
| Surge arrester technology                 | MOV + GDT   |
| [Ue] rated operational voltage            | 230/400 V AC (+/- 10 %) at 50/60 Hz   |
| [In] nominal discharge current            | Common mode: 5 kA (L/PE)<br>Common mode: 5 kA (N/PE)<br>Differential mode: 5 kA (L/N)   |
| [Imax] maximum discharge current          | Common mode: 20 kA L/PE<br>Common mode: 20 kA N/PE<br>Differential mode: 20 kA L/N  |
| [Uc] maximum continuous operating voltage | Common mode: 260 V N/PE<br>Common mode: 350 V L/PE<br>Differential mode: 350 V L/N  |
| Maximum [Up] voltage protection level     | Differential mode <1.1 kV type 2 L/N<br>Common mode <1.4 kV type 2 N/PE   |
| [Ut] temporary overvoltage                | 337 V L/N 5 s withstand<br>1200 V N/PE 200 ms safe failure mode<br>442 V L/PE 5 s withstand<br>1453 V L/PE 200 ms safe failure mode   |
| Disconnecter device type                  | Associated circuit breaker IC60N 20 A curve C - Icu 10 kA<br>Associated circuit breaker iC60H 20 A curve C - Icu 15 kA<br>Associated circuit breaker iC60L 20 A curve C - Icu 25 kA |

Associated circuit breaker NG125H 63 A curve C - Icu 36 kA  
 Associated circuit breaker NG125L 63 A curve C - Icu 50 kA  
 Associated fuse gG 40 A - Icu 15 kA  
 Associated fuse gG 80 A - Icu 50 kA

|                                      |  |
|--------------------------------------|--|
| <b>Mounting mode</b>                 | Clip-on (DIN rail)   |
| <b>9 mm pitches</b>                  | 8  |
| <b>Height</b>                        | 85 mm  |
| <b>Width</b>                         | 72 mm  |
| <b>Depth</b>                         | 69 mm  |
| <b>Net weight</b>                    | 0.414 kg   |
| <b>Colour</b>                        | White (RAL 9003)   |
| <b>[Ipe] Ground residual current</b> | 0.6 mA<br>0.003 mA   |
| <b>Connections - terminals</b>       | Tunnel type terminal (downside) 2.5...35 mm <sup>2</sup><br>Tunnel type terminal (upside) 2.5...35 mm <sup>2</sup> |
| <b>Tightening torque</b>             | 2.5 N.m  |

## Environment

|  |                              |
|--|------------------------------|
| <b>IK degree of protection</b>               | IK03 conforming to IEC 62262 |
| <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...85 °C                  |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 7.5 cm    |
| <b>Package 1 Width</b>              | 8 cm      |
| <b>Package 1 Length</b>             | 9 cm      |
| <b>Package 1 Weight</b>             | 441 g     |
| <b>Unit Type of Package 2</b>       | BB1       |
| <b>Number of Units in Package 2</b> | 3         |
| <b>Package 2 Height</b>             | 8 cm      |
| <b>Package 2 Width</b>              | 9.5 cm    |
| <b>Package 2 Length</b>             | 27.5 cm   |
| <b>Package 2 Weight</b>             | 1.384 kg  |
| <b>Unit Type of Package 3</b>       | S03       |
| <b>Number of Units in Package 3</b> | 27        |
| <b>Package 3 Height</b>             | 30 cm     |
| <b>Package 3 Width</b>              | 30 cm     |
| <b>Package 3 Length</b>             | 40 cm     |
| <b>Package 3 Weight</b>             | 12.982 kg |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Compliant<br><a href="#">EU RoHS Declaration</a>  |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Pro-active China RoHS declaration (out of China RoHS legal scope) |
| RoHS exemption information | Yes   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |

## Contractual warranty

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

## Recommended replacement(s)