



### 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            | KEMA-KEUR<br>NF                         |
| Poles description         | 1P                                      |
| Remote signalling         | Without                                 |
| 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            | 230/400 V AC (+/- 10 %) at 50/60 Hz                                                                                                                                                                                                                                                                                                                                                           |
| [In] nominal discharge current            | Common mode: 5 kA (L/PE)<br>Common mode: 5 kA (N/PE)                                                                                                                                                                                                                                                                                                                                          |
| [Imax] maximum discharge current          | Common mode: 20 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 <1.1 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 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<br>Associated circuit breaker NG125H 20 A curve C - Icu 36 kA<br>Associated circuit breaker NG125L 20 A curve C - Icu 50 kA<br>Associated fuse gG 40 A - Icu 15 kA<br>Associated fuse gG 80 A - Icu 50 kA |
| Mounting mode                             | Clip-on (DIN rail)                                                                                                                                                                                                                                                                                                                                                                            |
| 9 mm pitches                              | 2                                                                                                                                                                                                                                                                                                                                                                                             |
| Height                                    | 85 mm                                                                                                                                                                                                                                                                                                                                                                                         |
| Width                                     | 18 mm                                                                                                                                                                                                                                                                                                                                                                                         |
| Depth                                     | 69 mm                                                                                                                                                                                                                                                                                                                                                                                         |
| Net weight                                | 0.11 kg                                                                                                                                                                                                                                                                                                                                                                                       |
| Colour                                    | White (RAL 9003)                                                                                                                                                                                                                                                                                                                                                                              |
| [Ipe] Ground residual current             | 0.6 MA<br>0.003 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                                                                                                                                                                                                                                                                                                                                                                                       |

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## 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             | 7.2 cm    |
| Package 1 Width              | 2.2 cm    |
| Package 1 Length             | 9.2 cm    |
| Package 1 Weight             | 128.0 g   |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 12        |
| Package 2 Height             | 8.5 cm    |
| Package 2 Width              | 10 cm     |
| Package 2 Length             | 28 cm     |
| Package 2 Weight             | 1.6 kg    |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 108       |
| Package 3 Height             | 30 cm     |
| Package 3 Width              | 30 cm     |
| Package 3 Length             | 40 cm     |
| Package 3 Weight             | 14.947 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 <a href="#"> EU RoHS Declaration</a> |
| China RoHS Regulation      | <a href="#"> China RoHS Declaration</a>        |
| RoHS exemption information | <a href="#"> Yes</a>                           |
| Environmental Disclosure   | <a href="#"> Product Environmental Profile</a> |
| Circularity Profile        | <a href="#"> End Of Life Information</a>       |

## Contractual warranty

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