



## Main

|                             |   |
|-----------------------------|---|
| Range of product            | Acti 9  |
| Product name                | Acti 9 iPRD   |
| Product or component type   | Surge arrester with pluggable cartridge                             |
| Device short name           | IPRD8r  |
| Device application          | Distribution  |
| Poles description           | 1P + N  |
| Remote signalling           | With  |
| Signal contacts composition | 1 SD (1 C/O)  |
| Surge arrester type         | Electrical distribution network                                     |
| Earthing system             | TN-S<br>TT  |
| [Uoc] open circuit voltage  | 10 kV type 3 common mode N/PE<br>10 kV type 3 differential mode L/N |

## Complementary

|   |   |
|---|---|
| Surge arrester class type                 | Type 2 + 3  |
| Surge arrester technology                 | MOV + GDT   |
| [Ue] rated operational voltage            | 230/400 V AC (+/- 10 %) at 50/60 Hz   |
| [In] nominal discharge current            | Common mode: 2.5 kA (L/PE)<br>Common mode: 2.5 kA (N/PE)<br>Differential mode: 2.5 kA (L/N) |
| [Imax] maximum discharge current          | Common mode: 8 kA L/PE<br>Common mode: 8 kA N/PE<br>Differential mode: 8 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     | Common mode <1.1 kV type 3 N/PE<br>Differential mode <1 kV type 2 L/N                       |

|                                      |   |
|--------------------------------------|---|
|                                      | Differential mode <1.1 kV type 3 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   |
| Disconnecter device type             | Associated circuit breaker iC60L 10 A curve C - Icu 25 kA<br>Associated circuit breaker iC60N 10 A curve C - Icu 10 kA<br>Associated circuit breaker iC60H 10 A curve C - Icu 15 kA<br>Associated fuse gG 25 A - Icu 15 kA<br>Associated fuse gG 80 A - Icu 50 kA |
| [Iscrr] short-circuit current rating | 50 kA   |
| Signalling circuit voltage           | 0.25 A/250 V AC 50/60 Hz  |
| Mounting mode                        | Clip-on   |
| Mounting support                     | DIN rail  |
| 9 mm pitches                         | 4   |
| Height                               | 85 mm   |
| Width                                | 36 mm   |
| Depth                                | 69 mm   |
| Net weight                           | 0.215 kg  |
| Colour                               | White (RAL 9003)  |
| Response time                        | <= 25 ns  |
| [Ipe] Ground residual current        | 0.003 mA<br>0.6 mA  |
| Connections - terminals              | Tunnel type terminal (downside) 2.5...35 mm <sup>2</sup><br>Tunnel type terminal (upside) 2.5...35 mm <sup>2</sup>  |
| Tightening torque                    | 2.5 N.m   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN 61643-11:2012<br>IEC 61643-11:2011   |
| Product certifications                | CE  |
| Quality labels                        | NF<br>KEMA-KEUR   |
| IP degree of protection               | IP40 on front face: conforming to IEC 60529<br>IP20 built-in: conforming to IEC 60529 |
| 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

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.246 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   |
| RoHS exemption information | <a href="#">Yes</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>   |

Contractual warranty

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