



### Main

|                             |                                         |
|-----------------------------|-----------------------------------------|
| Range of product            | Acti 9                                  |
| Product name                | Acti 9 iPRD                             |
| Product or component type   | Surge arrester with pluggable cartridge |
| Device short name           | IPRD20r                                 |
| 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                              |

### Complementary

|                                           |                                                                                             |
|-------------------------------------------|---------------------------------------------------------------------------------------------|
| Surge arrester class type                 | Type 2                                                                                      |
| Surge arrester technology                 | MOV + GDT                                                                                   |
| [Ue] rated operational voltage            | 230 V AC (+/- 10 %) at 50/60 Hz<br>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 |

|                                                   |                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 63 A curve C - Icu 36 kA<br>Associated circuit breaker NG125L 63 A curve C - Icu 50 kA |
| [Isc <sub>cr</sub> ] 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                                                                                                                                                                                                                                                                                                           |
| Product weight                                    | 0.215 kg                                                                                                                                                                                                                                                                                                        |
| Colour                                            | White (RAL 9003)                                                                                                                                                                                                                                                                                                |
| Response time                                     | <= 25 ns                                                                                                                                                                                                                                                                                                        |
| [I <sub>pe</sub> ] 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                        | KEMA-KEUR<br>NF                                                                       |
| 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                                                                           |

## 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>                                                               |
| Circularity Profile        | <a href="#">End of Life Information</a>                                                                     |

## Contractual warranty

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