



Main

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| 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 | 3P + N |
| Remote signalling | With |
| Signal contacts composition | 1 SD (1 C/O) |
| Surge arrester type | Electrical distribution network |
| Earthing system | TN-S TT |
| [Uoc] open circuit voltage | 10 kV type 3 common mode N/PE 10 kV type 3 differential mode L/N |

Complementary

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| 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) Common mode: 2.5 kA (N/PE) Differential mode: 2.5 kA (L/N) |
| [Imax] maximum discharge current | Common mode: 8 kA L/PE Common mode: 8 kA N/PE Differential mode: 8 kA L/N |
| [Uc] maximum continuous operating voltage | Common mode: 260 V N/PE Common mode: 350 V L/PE Differential mode: 350 V L/N |
| Maximum [Up] voltage protection level | Common mode <1.1 kV type 3 N/PE Differential mode <1 kV type 2 L/N Differential mode <1.1 kV type 3 L/N Common mode <1.4 kV type 2 N/PE |
| [Ut] temporary overvoltage | 337 V L/N 5 s withstand 1200 V N/PE 200 ms safe failure mode 442 V L/PE 5 s withstand |
| Disconnecter device type | Associated circuit breaker iC60L 10 A curve C - Icu 25 kA Associated circuit breaker iC60N 10 A curve C - Icu 10 kA Associated circuit breaker iC60H 10 A curve C - Icu 15 kA Associated fuse gG 25 A - Icu 15 kA 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 | 8 |
| Height | 85 mm |
| Width | 72 mm |
| Depth | 69 mm |
| Net weight | 0.421 kg |
| Colour | White (RAL 9003) |
| Response time | <= 25 ns |

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| [Ipe] Ground residual current | 0.6 MA 0.003 mA |
| Connections - terminals | Tunnel type terminal (downside) 2.5...35 mm² Tunnel type terminal (upside) 2.5...35 mm² |
| Tightening torque | 2.5 N.m |







Environment

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

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| Package 1 Weight | 0.464 kg |
| Package 1 Height | 0.800 dm |
| Package 1 width | 0.800 dm |
| Package 1 Length | 0.900 dm |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |

Contractual warranty

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| Warranty | 18 months |
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