

Product datasheet

Specifications



iPRD8 modular surge arrester - 2P - 350V

A9L08200

Main

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| Range of product | Acti 9 |
| Product name | Acti9 iPRD |
| Product or component type | Surge arrester with pluggable cartridge |
| Device short name | IPRD8 |
| Device application | Distribution |
| Poles description | 2P |
| Remote signalling | Without |
| Surge arrester type | Electrical distribution network |
| Earthing system | TN-C-S |
| [Uoc] open circuit voltage | 10 kV type 3 common mode L/PE 10 kV type 3 common mode N/PE |

Complementary

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| Surge arrester class type | Type 2 + 3 |
| Surge arrester technology | MOV |
| [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) |
| [Imax] maximum discharge current | Common mode: 8 kA L/PE Common mode: 8 kA N/PE |
| [Uc] maximum continuous operating voltage | Common mode: 350 V L/PE Common mode: 350 V N/PE |
| Maximum [Up] voltage protection level | Common mode <1 kV type 2 L/PE Common mode <1 kV type 2 N/PE Common mode <1 kV type 3 L/PE Common mode <1 kV type 3 N/PE |
| [Ut] temporary overvoltage | 337 V L/N 5 s withstand 1200 V N/PE 200 ms safe failure mode |
| 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 |
| [Isc] short-circuit current rating | 50 kA |
| Mounting mode | Clip-on |

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| Mounting support | DIN rail |
| 9 mm pitches | 4 |
| Height | 85 mm |
| Width | 36 mm |
| Depth | 69 mm |
| Net weight | 0.216 kg |
| Colour | White (RAL 9003) |
| Response time | <= 25 ns |
| [Ipe] Ground residual current | 0.6 mA 0.003 mA |
| Connections - terminals | Tunnel type terminal (downside) 2.5...35 mm ² Tunnel type terminal (upside) 2.5...35 mm ² |
| 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 | KEMA-KEUR NF |
| 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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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 247 g |
| Package 1 Height | 5 cm |
| Package 1 width | 8 cm |
| Package 1 Length | 9 cm |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 6 |
| Package 2 Weight | 1.577 kg |
| Package 2 Height | 9 cm |
| Package 2 width | 10 cm |
| Package 2 Length | 28 cm |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 54 |
| Package 3 Weight | 14.68 kg |
| Package 3 Height | 30 cm |

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| Package 3 width | 30 cm |
| Package 3 Length | 40 cm |

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 Pro-active China RoHS declaration (out of China RoHS legal scope) |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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