

Product datasheet

Specifications



iPRD40 modular surge arrester - 3P + N - 350V

A9L40600

Main

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|---------------------------|---|
| Range of product | Acti9 |
| Product name | Acti9 iPRD |
| Product or component type | Surge arrester with pluggable cartridge |
| Device short name | iPRD40 |
| Device application | Distribution |
| Standards | EN 61643-11:2012 IEC 61643-11:2011 |
| Product certifications | CE |
| Quality labels | KEMA-KEUR NF |
| Poles description | 3P + N |
| Remote signalling | Without |
| Surge arrester type | Electrical distribution network |
| Earthing system | TT TN-S |

Complementary

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| Surge arrester class type | Type 2 |
| Surge arrester technology | MOV + GDT |
| [Ue] rated operational voltage | 230/400 V AC (+/- 10 %) at 50/60 Hz |
| [In] nominal discharge current | Common mode: 15 kA (L/PE) Common mode: 15 kA (N/PE) Differential mode: 15 kA (L/N) |
| [Imax] maximum discharge current | Common mode: 40 kA L/PE Common mode: 40 kA N/PE Differential mode: 40 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 <1.4 kV type 2 N/PE Differential mode <1.4 kV type 2 L/N |
| [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 1453 V L/PE 200 ms safe failure mode |
| Disconnecter device type | Associated circuit breaker iC60H 50 A curve C - Icu 15 kA Associated circuit breaker IC60N 40 A curve C - Icu 10 kA Associated circuit breaker NG125H 63 A curve C - Icu 36 kA |

Associated circuit breaker NG125L 63 A curve C - Icu 50 kA
 Associated circuit breaker NG125N 40 A curve C - Icu 25 kA
 Associated fuse gG 63 A - Icu 15 kA
 Associated fuse gG 80 A - Icu 50 kA

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| Mounting mode | Clip-on (DIN rail) |
| 9 mm pitches | 8 |
| Height | 85 mm |
| Width | 72 mm |
| Depth | 69 mm |
| Net weight | 0.414 kg |
| Colour | White (RAL 9003) |
| [Ipe] Ground residual current | 0.003 mA 0.6 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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| 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 |
| Package 1 Length | 9 cm |
| Number of Units in Package 1 | 1 |
| Package 3 Width | 30 cm |
| Package 3 Weight | 13.068 kg |
| Package 2 Width | 10 cm |
| Package 2 Height | 9 cm |
| Package 2 Weight | 1.388 kg |
| Number of Units in Package 3 | 27 |
| Unit Type of Package 3 | S03 |
| Package 3 Height | 30 cm |
| Package 3 Length | 40 cm |
| Package 1 Width | 8 cm |
| Package 1 Height | 8 cm |
| Package 1 Weight | 439 g |
| Number of Units in Package 2 | 3 |
| Unit Type of Package 2 | BB1 |
| Package 2 Length | 28 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 |

Contractual warranty

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| Warranty | 18 months |
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