

Product datasheet

Specifications



iPRD8 modular surge arrester - 1P + N - 350V

A9L08500

Main

Range Of Product	Acti9
Product Name	Acti9 iPRD
Product Or Component Type	Surge arrester with pluggable cartridge
Device Short Name	iPRD8
Device Application	Distribution
Standards	EN 61643-11:2012 IEC 61643-11:2011
Product Certifications	CE
Quality Labels	KEMA-KEUR NF
Poles Description	1P + N
Remote Signalling	Without
Surge Arrester Type	Electrical distribution network
Earthing System	TN-S TT

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) 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
[Uoc] Open Circuit Voltage	10 kV type 3 common mode N/PE 10 kV type 3 differential mode 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
Mounting Mode	Clip-on (DIN rail)
9 Mm Pitches	4
Height	85 mm
Width	36 mm
Depth	69 mm
Net Weight	0.211 kg
Colour	White (RAL 9003)
[I_{pe}] 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

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

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.2 cm
Package 1 Width	7.5 cm
Package 1 Length	9 cm
Package 1 Weight	236 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	6
Package 2 Height	8.5 cm
Package 2 Width	10 cm
Package 2 Length	28 cm
Package 2 Weight	1.477 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	54
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	13.831 kg

Contractual warranty

Warranty

12 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Reach Free Of Svhc

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)
Pro-active China RoHS declaration (out of China RoHS legal scope)

Environmental Disclosure [Product Environmental Profile](#)

Weee The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Circularity Profile [End of Life Information](#)

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Device Short Name	iPRD8
Device Application	Distribution
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Product Certifications	CE
Quality Labels	NF KEMA-KEUR
Poles Description	3P + N
Remote Signalling	Without
Surge Arrester Type	Electrical distribution network
Earthing System	TT TN-S

Complementary

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[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
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

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

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.5 cm
Package 1 Width	8.0 cm
Package 1 Length	9.0 cm
Package 1 Weight	444.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	3
Package 2 Height	8 cm
Package 2 Width	9.5 cm
Package 2 Length	27.5 cm
Package 2 Weight	1.394 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	27
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	13.101 kg

Contractual warranty

Warranty

12 months

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