

Product datasheet

Specifications



iPRD20r modular surge arrester - 1P + N - 350V - with remote transfert

A9L20501

Main

Range of product	IPRD
range of product	Acti9
product name	Acti9 iPRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD20r
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	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TN-S 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
[In] nominal discharge current	Common mode: 5 kA (L/PE) Common mode: 5 kA (N/PE) Differential mode: 5 kA (L/N)
[Imax] maximum discharge current	Common mode: 20 kA L/PE Common mode: 20 kA N/PE Differential mode: 20 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	Differential mode <1.1 kV type 2 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 1453 V L/PE 200 ms safe failure mode

Disconnecter device type	Associated circuit breaker IC60N 20 A curve C - Icu 10 kA Associated circuit breaker iC60H 20 A curve C - Icu 15 kA Associated circuit breaker iC60L 20 A curve C - Icu 25 kA Associated circuit breaker NG125H 20 A curve C - Icu 36 kA Associated circuit breaker NG125L 20 A curve C - Icu 50 kA Associated fuse gG 40 A - Icu 15 kA Associated fuse gG 80 A - Icu 50 kA
Signalling circuit voltage	0.25 A/250 V AC 50/60 Hz
Mounting mode	Clip-on (DIN rail)
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	69 mm
Net weight	0.215 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
Compatibility code	IPRD20r

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	4.3 cm
Package 1 Width	7.2 cm
Package 1 Length	9.2 cm
Package 1 Weight	243 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.3 cm
Package 2 Width	9.9 cm
Package 2 Length	27.6 cm
Package 2 Weight	1.522 kg
Unit Type of Package 3	S03
Number of Units in Package 3	54
Package 3 Height	30 cm

Package 3 Width	30 cm
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Package 3 Length	40 cm
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Package 3 Weight	14.223 kg
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Contractual warranty

Warranty	18 months
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better

Materials and Substances

[EU RoHS Directive](#)

Compliant

REACH Regulation

[REACH Declaration](#)


Use Again

Repack and remanufacture

[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

Take-back

No