

# Product datasheet

Specifications



## iPRD20 modular surge arrester - 1P + N - 350V

A9L20500

### 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	iPRD20
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	TT TN-S

### Complementary

Surge arrester class type	Type 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230 V AC (+/- 10 %) at 50/60 Hz
Nominal discharge current	Common mode: 5 kA (L/PE) Common mode: 5 kA (N/PE) Differential mode: 5 kA (L/N)
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

<b>Disconnecter device type</b>	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
<b>Mounting mode</b>	Clip-on (DIN rail)
<b>9 mm pitches</b>	4
<b>Height</b>	85 mm
<b>Width</b>	36 mm
<b>Depth</b>	69 mm
<b>Net weight</b>	0.211 kg
<b>Colour</b>	White (RAL 9003)
<b>[Ipe] Ground residual current</b>	0.6 mA 0.003 mA
<b>Connections - terminals</b>	Tunnel type terminal (downside) 2.5...35 mm <sup>2</sup> Tunnel type terminal (upside) 2.5...35 mm <sup>2</sup>
<b>Tightening torque</b>	2.5 N.m
<b>Compatibility code</b>	IPRD20

## Environment

<b>IK degree of protection</b>	IK03 conforming to IEC 62262
<b>Relative humidity</b>	5...95 %
<b>Operating altitude</b>	2000 m
<b>Ambient air temperature for operation</b>	-25...60 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.2 cm
<b>Package 1 Width</b>	7.2 cm
<b>Package 1 Length</b>	9.2 cm
<b>Package 1 Weight</b>	236 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	8.5 cm
<b>Package 2 Width</b>	10 cm
<b>Package 2 Length</b>	28 cm
<b>Package 2 Weight</b>	1.48 kg
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	54
<b>Package 3 Height</b>	30 cm
<b>Package 3 Width</b>	30 cm

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Package 3 Length	40 cm
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Package 3 Weight	13.878 kg
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## Contractual warranty

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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

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

[EU RoHS Directive](#)

Compliant

SCIP Number

A9614fa2-07f8-47d1-a2fe-e27b32003d8d

REACH Regulation

[REACH Declaration](#)

## Use Again

### Repack and remanufacture


Circularity Profile

[End of Life Information](#)

Take-back

No

WEEE

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