# **Product datasheet**

Specification





# iPRD20 modular surge arrester - 3P - 350V

A9L20300

#### Main

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	3P
Remote signalling	Without
Surge arrester type	Electrical distribution network
Earthing system	TN-C IT 230

## Complementary

Surge arrester class type	Type 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	400 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	Common mode: 20 kA L/PE
current	Common mode: 20 kA N/PE Differential mode: 20 kA L/N
[Uc] maximum continuous	Common mode: 260 V N/PE
operating voltage	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
Disconnector 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

Mounting mode	Clip-on (DIN rail)
9 mm pitches	6
Height	85 mm
Width	54 mm
Depth	69 mm
Net weight	0.317 kg
Colour	White (RAL 9003)
[lpe] Ground residual current	0.6 mA 0.003 mA
Connections - terminals	Tunnel type terminal (downside) 2.535 mm <sup>2</sup> Tunnel type terminal (upside) 2.535 mm <sup>2</sup>
Tightening torque	2.5 N.m

#### **Environment**

IK degree of protection	IK03 conforming to IEC 62262
Relative humidity	595 %
Operating altitude	2000 m
Ambient air temperature for operation	-2560 °C
Ambient air temperature for storage	-4085 °C

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	6.000 cm
Package 1 Width	7.500 cm
Package 1 Length	9.500 cm
Package 1 Weight	343.400 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.500 cm
Package 2 Width	10.000 cm
Package 2 Length	28.000 cm
Package 2 Weight	1.445 kg
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	13.664 kg

## **Contractual warranty**

Warranty 18 months



Green Premium<sup>TM</sup> label is Schneider Electric's commitment to delivering products with best-inclass 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



Rohs Exemption Information

#### **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
Circularity Profile	End of Life Information