

Product datasheet

Specifications



iQuick PRD8r modular surge arrester - 1 pole + N - 350V - with remote transfer

A9L16298

Main

Range of product	iQuick PRD
range of product	Acti9
Product name	Acti9 iQuick PRD
Product or component type	Surge arrester with pluggable cartridge
Device short name	iQuick PRD8r
Device application	Distribution
Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE
Quality labels	NF KEMA-KEUR
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 + 3
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230 V AC (+/- 10 %) at 50/60 Hz
Nominal discharge current	Common mode: 2 kA (L/PE) Common mode: 2 kA (N/PE) Differential mode: 2 kA (L/N)
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 L/PE 10 kV type 3 common mode N/PE 10 kV type 3 differential mode L/N
[Uc] maximum continuous operating voltage	Common mode: 264 V N/PE Common mode: 350 V L/PE Differential mode: 350 V L/N

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Maximum [Up] voltage protection level	Common mode <1.5 kV type 2 L/PE Common mode <1.7 kV type 2 N/PE Differential mode <1.2 kV type 2 L/N Common mode <1.4 kV type 3 L/PE Differential mode <1.4 kV type 3 L/N Common mode <1.5 kV type 3 N/PE
Disconnecter device type	Integrated circuit breaker - Icu 25 kA
Signalling circuit voltage	2 A/250 V AC 50/60 Hz
Mounting mode	Clip-on (DIN rail)
9 mm pitches	8
Height	94 mm
Width	72 mm
Depth	75.9 mm
Product weight	0.43 kg
Colour	White (RAL 9003)
Connections - terminals	Tunnel type terminal (downside) 2.5...25 mm² Tunnel type terminal (upside) 2.5...25 mm²
Tightening torque	2.5 N.m
Compatibility code	IQuick PRD8r

Environment

IP degree of protection	IP20
IK degree of protection	IK05 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...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.000 cm
Package 1 Width	9.000 cm
Package 1 Length	10.000 cm
Package 1 Weight	488.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	13.889 kg

Contractual warranty

Warranty (in months)	18
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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

Total lifecycle Carbon footprint	4 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	3 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile

Use Better



Materials and Substances

Packaging made with recycled cardboard	No
Packaging without single use plastic	Yes
SCIP Number	A3e675c6-58d9-493e-807c-a277ebc5d03f
EU RoHS Directive	Compliant
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Silicone-free	No

Use Longer



Lifetime extension

Repair	No
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Use Again



Repack and remanufacture

Recyclability potential, in %	41
End of life manual availability	End of Life Information
Take-back	Yes
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins