

Product data sheet

Specifications



Repacked, surge arrester with pluggable cartridge, Acti9 iPRD PV-DC, 2P, 40kA, 1000VDC

A9L40281W



This repacked option saves 3.236 over the standard condition

Main

range of product	Acti9
Product name	Acti9 iPRD PV-DC
Device short name	iPRD PV-DC
Product or component type	Surge arrester with pluggable cartridge
Poles description	2P
Output type	Contact (volt-free)
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Uoc stc: Maximum open circuit voltage of PV generator in standard test condition	833 V

Complementary

Surge arrester class type	Type 2
Surge arrester technology	MOV
[Ue] rated operational voltage	1000 V +/- 10 % DC
[In] nominal discharge current	15 kA
[Imax] maximum discharge current	40 kA
[Ucpv] maximum continuous operating voltage	Differential mode: 1000 V L+/L- Common mode: 1000 V L+/PE Common mode: 1000 V L-/PE
Maximum [Up] voltage protection level	Common mode <3.9 kV type 2 L+/PE Common mode <3.9 kV type 2 L-/PE Differential mode <3.9 kV type 2 L+/L-
Disconnecter device type	Integrated disconnecter
[Iscpv] short-circuit current rating	200 A
Local signalling	White/red flag
Signalling circuit voltage	AC: 250 V 50/60 Hz
Signalling output current	0.25 A
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	6
Height	85 mm
Width	54 mm

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

Depth	69 mm
Product weight	400 g
Colour	White (RAL 9003)
Response time	<= 25 ns
Connections - terminals	Tunnel type terminal 2.5...25 mm² rigid Tunnel type terminal 2.5...16 mm² flexible Tunnel terminal 2.5...16 mm² flexible with ferrule
Wire stripping length	14 mm
Tightening torque	3.5 N.m

Environment

Standards	EN/IEC 61643-31 UTE C 61740-51
Product certifications	CE
IP degree of protection	IP40 on front face: IP20 on terminal:
IK degree of protection	IK03
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	6.700 cm
Package 1 Width	9.700 cm
Package 1 Length	10.600 cm
Package 1 Weight	384.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	4.912 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

Lower carbon footprint

3 kg CO2 eq.

Use Better



Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

SCIP Number

A9614fa2-07f8-47d1-a2fe-e27b32003d8d

EU RoHS Directive

[Compliant](#)

REACH Regulation

[Reference contains Substances of Very High Concern above the threshold](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

WEEE Label



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