

# Product datasheet

Specifications



## iPRD-DC 40r 800PV modular surge arrester - 2P - 800VDC - with remote transfert

A9L40271

### 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	666 V

### Complementary

Surge arrester class type	Type 2
Surge arrester technology	MOV
[Ue] rated operational voltage	800 V +/- 10 % DC
[In] nominal discharge current	15 kA
[Imax] maximum discharge current	40 kA
[Ucpv] maximum continuous operating voltage	Differential mode: 800 V L+/L- Common mode: 800 V L+/PE Common mode: 800 V L-/PE
Maximum [Up] voltage protection level	Differential mode <3 kV type 2 L+/L- Common mode <3 kV type 2 L+/PE Common mode <3 kV type 2 L-/PE
Disconnecter device type	Integrated disconnecter
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
Depth	69 mm
Net weight	400 g

Colour	White (RAL 9003)
Response time	<= 25 ns
Connections - terminals	Tunnel type terminal 2.5...25 mm <sup>2</sup> rigid Tunnel type terminal 2.5...16 mm <sup>2</sup> flexible Tunnel type terminal 2.5...16 mm <sup>2</sup> flexible stranded
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	7.8 cm
Package 1 Width	6.4 cm
Package 1 Length	9.2 cm
Package 1 Weight	348 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.5 cm
Package 2 Width	10.2 cm
Package 2 Length	27.7 cm
Package 2 Weight	1.446 kg
Unit Type of Package 3	S03
Number of Units in Package 3	36
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	13.567 kg

## Contractual warranty

Warranty (in months)	18
----------------------	----



## 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

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

End of life manual availability

[End of Life Information](#)

Take-back

No

WEEE Label



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