# **Product datasheet**

Specifications





### iPRD40r modular surge arrester -1P + N - 350V - with remote transfert

A9L40501

#### Main

Acti9
Acti9 iPRD
Surge arrester with pluggable cartridge
iPRD40r
Distribution
EN 61643-11:2012 IEC 61643-11:2011
CE
NF KEMA-KEUR
1P + N
With
1 SD (1 C/O)
Electrical distribution network
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
[In] nominal discharge current	Common mode: 15 kA (L/PE) Common mode: 15 kA (N/PE) Differential mode: 15 kA (L/N)
[Imax] maximum discharge current	Common mode: 40 kA L/PE Common mode: 40 kA N/PE Differential mode: 40 kA L/N
[Uc] maximum continuous operating voltage	Common mode: 260 V N/PE Differential mode: 350 V L/N
Maximum [Up] voltage protection level	Common mode <1.4 kV type 2 N/PE Differential mode <1.6 kV type 2 L/N
[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 1455 V L/PE 200 ms safe failure mode

Disconnector device type	Associated circuit breaker iC60H 40 A curve C - Icu 15 kA	
	Associated circuit breaker IC60N 40 A curve C - Icu 10 kA	
	Associated circuit breaker NG125H 40 A curve C - Icu 36 kA	
	Associated circuit breaker NG125L 40 A curve C - Icu 50 kA	
	Associated circuit breaker NG125L 40 A curve C - Icu 25 kA	
	Associated fuse gG 63 A - Icu 15 kA	
	Associated fuse gG 80 A - Icu 50 kA	
Signalling circuit voltage	0.25 A/250 V AC 50/60 Hz	
Mounting mode	Clip-on (DIN rail)	
9 mm pitches	4	
Height	85 mm	
Width	36 mm	
Depth	69 mm	
Net weight	220 g	
Colour	White (RAL 9003)	
[Ipe] Ground residual current	0.003 mA	
	0.6 mA	
Connections - terminals	Tunnel type terminal (top or bottom) 416 mm <sup>2</sup> flexible	
	Tunnel type terminal (top or bottom) 416 mm <sup>2</sup> flexible with ferrule	
	Tunnel type terminal (top or bottom) 2.525 mm <sup>2</sup> rigid	
Wire stripping length	14 mm	
Tightening torque	3.5 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	4.200 cm
Package 1 Width	7.200 cm
Package 1 Length	9.200 cm
Package 1 Weight	242.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.100 cm
Package 2 Width	10.000 cm
Package 2 Length	27.800 cm
Package 2 Weight	1.517 kg
Unit Type of Package 3	S03
Number of Units in Package 3	54

Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	14.255 kg

### **Contractual warranty**

Warranty

18 months

### Sustainability Screen

**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-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

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