Product datasheet

Specification





iPRD-DC 40r 800PV modular surge arrester - 2P - 840VDC 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

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	
Disconnector device type	Integrated disconnector	
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 2.525 mm² rigid Tunnel type terminal 2.516 mm² flexible Tunnel type terminal 2.516 mm² flexible stranded	
Wire stripping length	14 mm	
Tightening torque	3.5 N.m	

Environment

Standards	EN 50539-11:2013 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	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	7.8 cm
Package 1 Width	6.4 cm
Package 1 Length	9.2 cm
Package 1 Weight	348.0 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 18 months



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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