Product datasheet

Specification





iQuick PRD20r modular surge arrester - 1 pole + N - 350V - with remote transfer

A9L16295

Main

range of product	Acti9	
Product name	Acti9 iQuick PRD	
Product or component type	Surge arrester with pluggable cartridge	
Device short name	iQuick PRD20r	
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	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: 5 kA (L/PE) Common mode: 5 kA (N/PE) Differential mode: 5 kA (L/N)	
[Imax] maximum discharge current	Common mode: 20 kA L/PE Common mode: 20 kA N/PE Differential mode: 20 kA L/N	
[Uc] maximum continuous operating voltage	Common mode: 264 V N/PE Differential mode: 350 V L/N	
Maximum [Up] voltage protection level	Common mode <1.7 kV type 2 N/PE Differential mode <1.7 kV type 2 L/N	
[Ut] temporary overvoltage	1200 V N/PE 200 ms withstand 415 V L/N 5 s withstand 440 V L/N 7200 s safe failure mode	
[Isccr] short-circuit current rating	25 kA	
Disconnector 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	91.4 mm	
Width	72 mm	
Depth	75.9 mm	
Net weight	435 g	
Colour	White (RAL 9003)	
[lpe] Ground residual current	1 mA	
Connections - terminals	Tunnel type terminal (L/N) 2.525 mm² rigid Tunnel type terminal (ground) 2.525 mm² rigid Tunnel type terminal (L/N) 2.525 mm² flexible Tunnel type terminal (ground) 2.525 mm² flexible Tunnel type terminal (L/N) 2.535 mm² flexible with ferrule Tunnel type terminal (ground) 2.525 mm² flexible with ferrule	
Wire stripping length	11 mm	
Tightening torque	2.5 N.m	

Environment

IK degree of protection	IK05 conforming to IEC 62262
Relative humidity	595 %
Operating altitude	2000 m
Ambient air temperature for operation	-2560 °C
Ambient air temperature for storage	-4080 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.0 cm
Package 1 Width	9.0 cm
Package 1 Length	10.0 cm
Package 1 Weight	481.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	27
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	13.433 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance



Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations