Product datasheet

Specifications



PRD135r modular surge arrester - 1 pole - 440V - with remote transfer

16649

Main

Range of product	PRD1
range of product	Acti9
Product name	Acti9 PRD1
Product or component type	Surge arrester with pluggable cartridge
Device short name	PRD1 35r
Device application	Distribution
Standards	EN 61643-11 IEC 61643-11
Product certifications	CE
Quality labels	NF
Poles description	1P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	IT TN-C

Complementary

Surge arrester class type	Type 1
Surge arrester technology	Spark gap
[Ue] rated operational voltage	400/690 V AC
Nominal discharge current	Common mode: 35 kA (L/PE) Differential mode: 35 kA (L/N)
Maximum discharge current	Differential mode: 50 kA L/N
[Iimp] impulse current	Differential mode: 35 kA L/N Common mode: 35 kA L/PE 17.5 A.s
[Uc] maximum continuous operating voltage	Common mode: 440 V L/PE Differential mode: 440 V L/N
Maximum [Up] voltage protection level	Common mode <2.5 kV type 1 L/PE
[Ut] temporary overvoltage	580 V L/N 5 s withstand 800 V N/PE 7200 s withstand 1640 V L/N 0.2 s safe failure mode
[Ifi] follow current	50 kA differential mode L/N
Short-circuit withstand	50 kA

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

Disconnector device type	Associated circuit breaker NSX 160B 160 A - Icu 10 kA Associated circuit breaker NSX 160B 160 A - Icu 15 kA Associated circuit breaker NSX 160B 160 A - Icu 25 kA Associated circuit breaker NSX160F 160 A - Icu 36 kA Associated circuit breaker NSX160N 160 A - Icu 50 kA Associated fuse gG 400 A
Signalling circuit voltage	1 A/250 V AC 1 A/30 V DC
Mounting mode	Clip-on (DIN rail)
9 mm pitches	4
Height	99 mm
Width	36 mm
Depth	71 mm
Net weight	401 g
Colour	Anthracite grey (RAL 7016)
[Ipe] Ground residual current	0.005 mA
Connections - terminals	Tunnel type terminal (top or bottom) 10…25 mm² flexible Tunnel type terminal (top or bottom) 16…35 mm² rigid
Tightening torque	4.5 N.m
Impulse current	35 kA
Compatibility code	PRD1_35r
Market segment	Small commercial

Environment

IP degree of protection	IP20
IK degree of protection	IK05 conforming to IEC 62262
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	8.200 cm
Package 1 Width	4.500 cm
Package 1 Length	11.000 cm
Package 1 Weight	426.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	22
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.825 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 >

Use Better

Materials and Packaging

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
SCIP Number	**A9614fa2-07f8-47d1-a2fe-e27b32003d8d**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

End of life manual availability	**No need of specific recycling operations**
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**