Product datasheet

Specifications



PRD1 Master modular surge arrester - 1 pole - 350V - with remote transfer

16360

Main

Range of product	PRD1 Master
range of product	Acti9
Product name	Acti9 PRD1 Master
Product or component type	Surge arrester with pluggable cartridge
Device short name	PRD1 Master
Device application	Distribution
Standards	EN 61643-11:2012 IEC 61643-11:2011
Product certifications	CE
Quality labels	KEMA-KEUR
Poles description	1P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TN-C IT 230 TT

Complementary

Surge arrester class type	Type 1
Surge arrester technology	Spark gap
[Ue] rated operational voltage	230 V AC (+/- 10 %) at 50 Hz
Nominal discharge current	Common mode: 25 kA (L/PE)
[Iimp] impulse current	Common mode: 25 kA L/PE 12.5 A.s
[Uc] maximum continuous operating voltage	Common mode: 350 V L/PE
Maximum [Up] voltage protection level	Common mode <1.5 kV type 2 L/PE
[Ifi] follow current	50 kA common mode L/PE
Short-circuit withstand	50 kA
Disconnector device type	Associated fuse gG 315 A standard Associated circuit breaker Compact NSX100F 100 A curve C - Icu 36 kA Associated circuit breaker Compact NSX100N 100 A curve C - Icu 50 kA
Signalling circuit voltage	1 A/250 V AC 50/60 Hz
Mounting mode	Clip-on (DIN rail)
9 mm pitches	4

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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

Height	90 mm
Width	35.8 mm
Depth	70 mm
Net weight	0.303 kg
Colour	Anthracite grey (RAL 7016)
Material	PBT (polybutylene terephthalate)
Connections - terminals	Tunnel type terminal (downside) 2.5…35 mm² Tunnel type terminal (upside) 2.5…35 mm²
Tightening torque	4.5 N.m
Impulse current	25 kA
Compatibility code	PRD1_Master
Market segment	Small commercial

Environment

IK degree of protection	IK05 conforming to IEC 62262
Relative humidity	5…90 %
Operating altitude	2000 m
Ambient air temperature for operation	-25…60 °C
Ambient air temperature for storage	-40…80 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	8 cm
Package 1 Width	4.5 cm
Package 1 Length	11 cm
Package 1 Weight	418 g
Unit Type of Package 2	S02
Number of Units in Package 2	23
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	10.002 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 Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
EU RoHS Directive	**Compliant**
SCIP Number	**A9614fa2-07f8-47d1-a2fe-e27b32003d8d**
REACh Regulation	**REACh Declaration**

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**