Product datasheet

Specifications



Modular surge arrester, Acti9 iPRD1 12.5, 3 P, 350 V, with remote transfert

A9L16382

Main

Range of product	Acti9
Product name	Acti9 iPRD1
Product or component type	Surge arrester
Device short name	iPRD1 12.5
Device application	Distribution
Standards	EN 61643-11:2012 IEC 61643-11:2011
Quality labels	CE EAC VDE
Poles description	3P
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TN-C

Complementary

Surge arrester class type	Type 1 + 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230/400 V AC (+/- 10 %) at 50...60 Hz
[In] nominal discharge current	20 kA
[Imax] maximum discharge current	50 kA
[Iimp] impulse current	Common mode: 12.5 kA L/PE
[Uc] maximum continuous operating voltage	Common mode: 350 V L/PE
Maximum [Up] voltage protection level	<1.5 kV type 1 + 2
Residual current	0.9 mA L/PE
[Ut] temporary overvoltage	442 V L/PE 120 min withstand 1455 V L/PE 200 ms safe failure mode
Disconnector device type	Associated fuse gG 160 A 120 kA standard Associated circuit breaker Compact NSX160E 80 A 25 kA standard

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

Local signalling	Operating: mechanical indicator (white) End of life: mechanical indicator (red)
Mounting mode	Clip-on (DIN rail)
9 mm pitches	6
Height	89 mm
Width	54 mm
Depth	69 mm
Net weight	486 g
Colour	White (RAL 9003)
Material	PA6
Connections - terminals	Tunnel type terminal (phase) 10…25 mm² flexible Tunnel type terminal (phase) 10…35 mm² rigid Tunnel type terminal (earth) 16…25 mm² flexible Tunnel type terminal (earth) 16…35 mm² rigid
Wire stripping length	14 mm
Tightening torque	3.5 N.m

Environment

IK degree of protection	IK05 conforming to IEC 62262
Pollution degree	3
Relative humidity	5…95 %
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 Weight	525.0 g
Package 1 Height	6.5 cm
Package 1 width	8.0 cm
Package 1 Length	9.5 cm
Unit Type of Package 2	S02
Number of Units in Package 2	12
Package 2 Weight	6.761 kg
Package 2 Height	15.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm
Unit Type of Package 3	P06
Number of Units in Package 3	192
Package 3 Weight	116.176 kg
Package 3 Height	75.0 cm
Package 3 width	80.0 cm
Package 3 Length	60.0 cm

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Compliant EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
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
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins