Product datasheet
Characteristics

A9L16282
Modular surge arrester, Acti9 iPRD1 12.5r, 1 P + N, 350 V, with remote transfert



Main

Range of product	Acti9
Product name	Acti9 iPRD1
Product or component type	Surge arrester
Device short name	IPRD1 12.5
Device application	Distribution
Poles description	1P + N
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TN-S TT

Complementary

Surge arrester class type	Type 1 + 2
Surge arrester technology	MOV + GDT
[Ue] rated operational voltage	230 V AC (+/- 10 %) at 50...60 Hz
[In] nominal discharge current	20 kA
[Imax] maximum discharge current	50 kA
[Iimp] impulse current	Common mode: 50 kA N/PE Differential mode: 12.5 kA L/N
[Uc] maximum continuous operating voltage	Differential mode: 350 V L/N Common mode: 255 V N/PE
Maximum [Up] voltage protection level	<1.5 kV type 1 + 2
Residual current	0.003 mA N/PE
[Ut] temporary overvoltage	337 V L/N 5 s withstand 1200 V N/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

[Isccr] short-circuit current rating	50 kA
Local signalling	White mechanical indicator for operating Red mechanical indicator for end of life
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	89 mm
Width	36 mm
Depth	69 mm
Net weight	290 g
Colour	White (RAL 9003)
Material	PA6
Response time	< 25 ns
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

Standards	EN 61643-11:2012 IEC 61643-11:2011
Quality labels	CE EAC VDE
IP degree of protection	IP40 on front face: conforming to IEC 60529 IP20 built-in: conforming to IEC 60529
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	326 g
Package 1 Height	4.5 cm
Package 1 width	8 cm
Package 1 Length	9 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