

Product data sheet

Specifications



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

A9L16282

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	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
Disconnecter device type	Associated fuse gG 160 A 120 kA standard

Local signalling	Operating: mechanical indicator (white) End of life: mechanical indicator (red)
Mounting mode	Clip-on (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
Connections - terminals	Tunnel type terminal (phase) 10...25 mm ² flexible Tunnel type terminal (phase) 10...35 mm ² rigid Tunnel type terminal (earth) 16...25 mm ² flexible Tunnel type terminal (earth) 16...35 mm ² 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 Height	4.5 cm
Package 1 Width	8 cm
Package 1 Length	9 cm
Package 1 Weight	326 g
Unit Type of Package 2	BB1
Number of Units in Package 2	6
Package 2 Height	8.5 cm
Package 2 Width	10 cm
Package 2 Length	27.5 cm
Package 2 Weight	2.032 kg
Unit Type of Package 3	S02
Number of Units in Package 3	18
Package 3 Height	15 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	6.346 kg

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
China RoHS Regulation	China RoHS declaration Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
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

Recommended replacement(s)