Product data sheet
Characteristics

A9L16482
Modular surge arrester with pluggable cartridge, Acti9 iPRD1 12.5, 3P+N, 350V, with remote transfert



Main

Range of product	IPRD1
Range	Acti9
Product name	Acti9 iPRD1
Product or component type	Surge arrester with pluggable cartridge
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 + N
Remote signalling	With
Signal contacts composition	1 SD (1 C/O)
Surge arrester type	Electrical distribution network
Earthing system	TT TN-S

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
Nominal discharge current	20 KA
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
Local signalling	Operating: mechanical indicator (white) End of life: mechanical indicator (red)
Mounting mode	Clip-on (DIN rail)
9 mm pitches	8

Height	89 Mm
Width	72 Mm
Depth	69 Mm
Net weight	619 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
Impulse current	12.5 KA
Compatibility code	IPRD1
Market segment	Small commercial Residential

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	8.000 Cm
Package 1 Width	8.000 Cm
Package 1 Length	9.300 Cm
Package 1 Weight	650.000 G
Unit Type of Package 2	BB1
Number of Units in Package 2	3
Package 2 Height	8.300 Cm
Package 2 Width	10.000 Cm
Package 2 Length	27.700 Cm
Package 2 Weight	2.017 Kg
Unit Type of Package 3	S02
Number of Units in Package 3	9
Package 3 Height	15.000 Cm
Package 3 Width	30.000 Cm
Package 3 Length	40.000 Cm
Package 3 Weight	6.446 Kg

Offer Sustainability

Recyclability potential, in %	36
Total lifecycle Carbon footprint	17 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	4.2241009395
Carbon footprint of the manufacturing phase [A1 to A3]	4 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.1870855582
Carbon footprint of the distribution phase [A4]	0.2 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.0978675552
Carbon footprint of the installation phase [A5]	0.1 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	11.7001745904
Carbon footprint of the use phase [B2, B3, B4, B6]	12 kg CO2 eq.

Toxic heavy metal free	Yes
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	1.2165665938
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	17
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
SCIP Number	A9614fa2-07f8-47d1-a2fe-e27b32003d8d
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
OECD PFAS Regulation	Item contains PFAS Chemicals
POP Directive	No POPs
Halogen-free status	Product contains halogen above thresholds
PVC free	No
Silicone-free	No
End of life manual availability	End Of Life Information
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised