



## 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	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
[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 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

[Isc cr] 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	8
Height	89 mm
Width	72 mm
Depth	69 mm
Net weight	619 g
Colour	White (RAL 9003)
Material	PA6
Response time	< 25 ns
Connections - terminals	Tunnel type terminal (phase) 10...25 mm <sup>2</sup> flexible Tunnel type terminal (phase) 10...35 mm <sup>2</sup> rigid Tunnel type terminal (earth) 16...25 mm <sup>2</sup> flexible Tunnel type terminal (earth) 16...35 mm <sup>2</sup> 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

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
----------	-----------