

## Product data sheet

### Characteristics

# A9L16182

Modular surge arrester, Acti9 iPRD1 12.5r , 1 P, 230 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
Standards	EN 61643-11:2012 IEC 61643-11:2011
Quality labels	CE EAC VDE
Poles description	1P
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 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
Disconnecter 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	2
Height	89 mm
Width	18 mm
Depth	69 mm
Net weight	171 g
Colour	White (RAL 9003)
Material	PA6
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

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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	2.0 cm
Package 1 Width	8.0 cm
Package 1 Length	9.0 cm
Package 1 Weight	189.0 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.5 cm
Package 2 Width	10.0 cm
Package 2 Length	27.5 cm
Package 2 Weight	2.342 kg
Unit Type of Package 3	S02
Number of Units in Package 3	36
Package 3 Height	15.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	7.273 kg

## 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>
China RoHS Regulation	<a href="#">China RoHS Declaration</a>
RoHS exemption information	<a href="#">Yes</a>
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