

# 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

<b>Local signalling</b>	Operating: mechanical indicator (white) End of life: mechanical indicator (red)
<b>Mounting mode</b>	Clip-on (DIN rail)
<b>9 mm pitches</b>	4
<b>Height</b>	89 mm
<b>Width</b>	36 mm
<b>Depth</b>	69 mm
<b>Product weight</b>	290 g
<b>Colour</b>	White (RAL 9003)
<b>Material</b>	PA6
<b>Connections - terminals</b>	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
<b>Wire stripping length</b>	14 mm
<b>Tightening torque</b>	3.5 N.m

## Environment

<b>IK degree of protection</b>	IK05 conforming to IEC 62262
<b>Pollution degree</b>	3
<b>Relative humidity</b>	5...95 %
<b>Operating altitude</b>	2000 m
<b>Ambient air temperature for operation</b>	-25...60 °C
<b>Ambient air temperature for storage</b>	-40...80 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.5 cm
<b>Package 1 Width</b>	8 cm
<b>Package 1 Length</b>	9 cm
<b>Package 1 Weight</b>	326 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	6
<b>Package 2 Height</b>	8.5 cm
<b>Package 2 Width</b>	10 cm
<b>Package 2 Length</b>	27.5 cm
<b>Package 2 Weight</b>	2.032 kg
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	18
<b>Package 3 Height</b>	15 cm
<b>Package 3 Width</b>	30 cm
<b>Package 3 Length</b>	40 cm
<b>Package 3 Weight</b>	6.346 kg

## Offer Sustainability

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

### Recommended replacement(s)