

Product datasheet

Specifications



Modular surge arrester, Acti9 iPRD1 12.5r , 1 P, 230 V, with remote transfert

A9L16182

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 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	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

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

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Transparency RoHS/REACH

Well-being performance

Reach Free Of Svhc

Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu Rohs Directive

Compliant

[EU RoHS Declaration](#)

China Rohs Regulation

[China RoHS declaration](#)

Pro-active China RoHS declaration (out of China RoHS legal scope)

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

Circularity Profile

[End of Life Information](#)

Product datasheet

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 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	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	4.500 cm
Package 1 Width	8.000 cm
Package 1 Length	9.000 cm
Package 1 Weight	326.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	6
Package 2 Height	8.500 cm
Package 2 Width	10.000 cm
Package 2 Length	27.500 cm
Package 2 Weight	2.032 kg
Unit Type Of Package 3	S02
Number Of Units In Package 3	18
Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	6.364 kg

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Circularity Profile

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Product datasheet

Specifications



Modular surge arrester, Acti9 iPRD1 12.5, 3 P, 350 V, with remote transfert

A9L16382

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	3P
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	230/400 V AC (+/- 10 %) at 50...60 Hz
[In] Nominal Discharge Current	20 kA
[Imax] Maximum Discharge Current	50 kA
[Iimp] Impulse Current	Common mode: 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	6

Height	89 mm
Width	54 mm
Depth	69 mm
Net Weight	486 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	6.500 cm
Package 1 Width	8.000 cm
Package 1 Length	9.500 cm
Package 1 Weight	525.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	4
Package 2 Height	8.500 cm
Package 2 Width	10.000 cm
Package 2 Length	27.500 cm
Package 2 Weight	2.173 kg
Unit Type Of Package 3	S02
Number Of Units In Package 3	12
Package 3 Height	15.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	6.761 kg

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Product datasheet

Specifications



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

A9L16482

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	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
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 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	8.000 cm
Package 1 Width	8.000 cm
Package 1 Length	9.300 cm
Package 1 Weight	649.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	3
Package 2 Height	8.500 cm
Package 2 Width	9.700 cm
Package 2 Length	28.000 cm
Package 2 Weight	2.596 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	6.382 kg

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