

Product datasheet

Specifications



Surge arrester with pluggable cartridge, Acti9 iPRD1 C25r, 3P+N, 25kA, type 1+2, compact, with remote monitoring

A9L1C625

EAN Code: 3606486808580

Main

Range of product	IPRD1
range of product	Acti9
Product name	Acti9 iPRD1
Product or component type	Surge arrester with pluggable cartridge
Device short name	iPRD1 C25r
Device application	Distribution
Standards	IEC 61643-11:2011 EN 61643-11:2012 EN 61643-11:2018/A11
Product certifications	CE
Quality labels	VDE
Poles description	3P + N
Remote signalling	With
Surge arrester type	Electrical distribution network
Earthing system	TT TN-S

Complementary

Surge arrester class type	Type 1 + 2
Surge arrester technology	GDT
[Ue] rated operational voltage	230/400 V AC at 50/60 Hz
Nominal discharge current	Differential mode: 25 kA (L/N) Common mode: 100 kA (N/PE)
Maximum discharge current	Differential mode: 65 kA L/N Common mode: 150 kA N/PE
[Iimp] impulse current	Differential mode: 25 kA L/N 12.5 A.s Common mode: 100 kA N/PE 50 A.s
[Uc] maximum continuous operating voltage	Differential mode: 275 V L/N Common mode: 305 V N/PE
Maximum [Up] voltage protection level	Differential mode <1.5 kV L/N Common mode <1.5 kV N/PE
[Ut] temporary overvoltage	442 V L/N 120 min withstand 1200 V N/PE 200 ms withstand
[Ifi] follow current	50 kA L/N 100 kA N/PE
Short-circuit withstand	50 kA

Disconnecter device type	Associated fuse gG 315 A
Local signalling	Operating state: flag (green) Fault indication: flag (red)
Signalling circuit voltage	1 A/250 V AC 1 A/125 V AC 0.5 A/48 V DC 0.5 A/24 V DC 0.5 A/12 V DC
Mounting mode	Clip-on (DIN rail)
9 mm pitches	8
Height	105 mm
Width	72 mm
Depth	86 mm
Net weight	691 g
Quantity per set	Set of 1
Colour	White (RAL 9003)
Material	Thermoplastic
Response time	< 100 ns L/N < 100 ns N/PE
Cable cross section	0.25...1.5 mm ² solid cable for remote control 6...35 mm ² solid stranded cable for power terminals 6...25 mm ² flexible cable for power terminals 16...35 mm ² solid stranded cable for earthing terminal 16...25 mm ² flexible cable for earthing terminal
Wire stripping length	Remote control: 10 mm Power terminals: 18 mm Earthing terminal: 18 mm
Tightening torque	Power circuit: 4.5 N.m
Impulse current	25 kA
Targeted country	Germany

Environment

IP degree of protection	IP20 with cartridges fitted and device wired
IK degree of protection	IK05
Relative humidity	5...95 %
Operating altitude	0...2000 m
Ambient air temperature for operation	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10.100 cm
Package 1 Width	13.200 cm
Package 1 Length	11.900 cm
Package 1 Weight	734.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	14

Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.796 kg
Unit Type of Package 3	P12
Number of Units in Package 3	224
Package 3 Height	75.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	193.776 kg

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better

Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

Yes

[EU RoHS Directive](#)

Compliant

SCIP Number

A9614fa2-07f8-47d1-a2fe-e27b32003d8d

REACH Regulation

[REACH Declaration](#)

Use Longer

Lifetime extension

Repair

No

Use Again

Repack and remanufacture

End of life manual availability

No need of specific recycling operations

Take-back

No

WEEE Label

 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins