

Product data sheet

Specifications



Arc fault detection circuit breaker, Acti9, iDPN N Arc, 1P+N 16A C 6000A

A9FDB616

⚠ Discontinued on: 23 Jan 2021

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Main

Range	Acti9
Product name	Acti9 iDPN N Arc
Product or component type	Arc fault detection circuit breaker
Product specific application	Fire prevention by arc detection
Standards	EN/IEC 62606 IEC 60898-1
Device short name	iDPN N Arc
Poles description	1P + N
[In] rated current	16 A at 30 °C
Curve code	C
Breaking capacity	6000 A Icn at 230 V AC 50 Hz conforming to EN/IEC 60898-1
Network type	AC
Neutral position	Left
Trip unit technology	Thermal-magnetic

Complementary

Number of protected poles	1
Network frequency	50 Hz
[Ue] rated operational voltage	230 V AC 50 Hz conforming to IEC 62606 230 V AC 50 Hz conforming to EN/IEC 60898-1
Device location in system	Outgoer
Magnetic tripping limit	5...10 x In
Limitation class	3 conforming to IEC 60898-1
Threshold tripping voltage	400 V 200 ms
[Uimp] rated impulse withstand voltage	4 kV conforming to IEC 60898-1
[Ui] rated insulation voltage	400 V AC
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON, OFF, fault trip
Mounting mode	Clip-on
Mounting support	DIN rail

Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles 230 V AC 50 Hz
Overvoltage category	III
cable entry	Top
Connections - terminals	Tunnel type terminal for 1 cable(s) 10 mm ² flexible Tunnel type terminal for 2 cable(s) 2.5 mm ² flexible Tunnel type terminal for 1 cable(s) 16 mm ² rigid Tunnel type terminal for 2 cable(s) 2.5 mm ² rigid
Wire stripping length	14 mm
Tightening torque	2 N.m
Comb busbar and distribution block compatibility	ProDis Librio
Connection pitch	9 mm between phase and neutral
9 mm pitches	4
Height	81 mm
Width	36 mm
Depth	72 mm
Product weight	190 g

Environment

IP degree of protection	IP20
Pollution degree	2
Tropicalisation	Severity B conforming to IEC 60068-2-30 for 28 d
Operating altitude	2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...85 °C
Product certifications	RCM

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.000 cm
Package 1 Width	8.500 cm
Package 1 Length	10.000 cm
Package 1 Weight	218.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	8
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.961 kg
Unit Type of Package 3	P12

Number of Units in Package 3	128
Package 3 Height	45.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	43.376 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 without single use plastic

Yes

SCIP Number

B078722f-7853-4e1e-a05b-29638f57b0ab

EU RoHS Directive

[Compliant By Exemption](#)

REACH Regulation

[Reference contains Substances of Very High Concern above the threshold](#)

Halogen-free status

Product contains halogen above thresholds

PVC free

No

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture


End of life manual availability

[End of Life Information](#)

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