

# Product data sheet

Specifications



## Arc fault detection circuit breaker, Acti9, iDPN N Arc, 1P+N 6A C 6000A

A9FDB606

⚠ 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	6 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

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

## Environment

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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.0 cm
<b>Package 1 Width</b>	8.5 cm
<b>Package 1 Length</b>	10.0 cm
<b>Package 1 Weight</b>	220.0 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	8
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	2.004 kg

# Contractual warranty

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Warranty (in months)

18



## 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](#)

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture

End of life manual availability

[End of Life Information](#)

WEEE Label



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