

Product data sheet

Specifications



Acti9 - iDPN N Arc - 1P+N 20A C 6000A - Arc fault detection circuit breaker

A9FDB620

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 | IEC 60898-1 EN/IEC 62606 |
| Device Short Name | iDPN N Arc |
| Poles Description | 1P + N |
| [In] Rated Current | 20 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 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|--|--|
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 10000 cycles 230 V AC 50 Hz |
| Overvoltage Category | III |
| Cable Entry | Top |
| Connections - Terminals | Tunnel type terminal for 1 cable(s) 10 mm² flexible Tunnel type terminal for 2 cable(s) 2.5 mm² flexible Tunnel type terminal for 1 cable(s) 16 mm² rigid Tunnel type terminal for 2 cable(s) 2.5 mm² 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 |
| Net Weight | 190 g |

Environment

| | |
|---------------------------------------|--|
| Heat Dissipation | 5.42 W at 230 V - 20 A |
| 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 | 8.8 cm |
| Package 1 Width | 4.0 cm |
| Package 1 Length | 10.0 cm |
| Package 1 Weight | 139.0 g |
| Unit Type Of Package 2 | S02 |
| Number Of Units In Package 2 | 8 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 1.567 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 >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance



Mercury Free



RoHS Exemption Information

Yes

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu RoHS Directive

Compliant with Exemptions

China RoHS Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information

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](#)