

Product data sheet

Specifications



iDPN - circuit breaker - iDPN - 1P + N - 16A - C curve

A9N21547

⚠ Discontinued on: Oct 14, 2021

⚠ End-of-service on: Nov 8, 2023

⚠ Discontinued

Main

| | |
|---------------------------|--|
| Range Of Product | Clario |
| Range | Clario |
| Product Name | IDPN |
| Product Or Component Type | Miniature circuit-breaker |
| Device Short Name | iDPN |
| Device Application | Distribution |
| Poles Description | 1P + N |
| Number Of Protected Poles | 1 |
| Neutral Position | Left |
| [In] Rated Current | 16 A |
| Network Type | AC |
| Trip Unit Technology | Thermal-magnetic |
| Curve Code | C |
| Breaking Capacity | 4500 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Suitability For Isolation | Yes |

Complementary

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|--|--|
| Network Frequency | 50/60 Hz |
| [Ue] Rated Operational Voltage | 230 V AC 50/60 Hz between phase and neutral |
| Magnetic Tripping Limit | 5...10 x In |
| [Ics] Rated Service Breaking Capacity | 4500 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Limitation Class | 3 conforming to EN/IEC 60898-1 |
| [Ui] Rated Insulation Voltage | 400 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV conforming to IEC 60947-2 |
| Contact Position Indicator | Yes |
| Control Type | Toggle |
| Local Signalling | ON/OFF indication |
| Mounting Mode | Clip-on |
| Mounting Support | DIN rail |
| 9 Mm Pitches | 2 |

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

| | |
|-----------------------------|--|
| Height | 81 mm |
| Width | 18 mm |
| Depth | 78 mm |
| Net Weight | 115 g |
| Colour | White |
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 20000 cycles |
| Locking Options Description | Padlocking device |
| Connections - Terminals | Tunnel type terminals downstream 0.33...10 mm² flexible Tunnel type terminals downstream 0.75...16 mm² rigid Tunnel type terminals upstream 0.33...10 mm² flexible Tunnel type terminals upstream 0.75...16 mm² rigid |
| Wire Stripping Length | 13 mm |
| Tightening Torque | 2 N.m |
| Earth-Leakage Protection | Separate block |

Environment

| | |
|---------------------------------------|------------------------------|
| Standards | EN/IEC 60898-1 |
| Ip Degree Of Protection | IP20 conforming to IEC 60529 |
| Pollution Degree | 3 conforming to IEC 60947-1 |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Relative Humidity | 95 % at 55 °C |
| Operating Altitude | 2000 m |
| Ambient Air Temperature For Operation | -25...70 °C |
| Ambient Air Temperature For Storage | -40...70 °C |

Packing Units

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|------------------------------|--------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 2 cm |
| Package 1 Width | 7.5 cm |
| Package 1 Length | 9 cm |
| Package 1 Weight | 113 g |

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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 >](#)

Well-being performance

| | |
|--|---|
|  Mercury Free | |
|  Rohs Exemption Information | Yes |
|  Halogen Free Product | |
| 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 |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |