

Product datasheet

Specifications



Acti 9 iDPN N Vigi - RCBO - 1P+N - 6A - C Curve - 6000A - 30mA - type AC

A9D31606

Main

| | |
|-------------------------------------|---|
| Range | Acti9 |
| Product Name | Acti9 iDPN Vigi |
| Product Or Component Type | Residual current breaker with overcurrent protection (RCBO) |
| Device Short Name | iDPN N Vigi |
| Device Application | Distribution |
| Poles Description | 1P + N |
| Number Of Protected Poles | 1 |
| Neutral Position | Left |
| [In] Rated Current | 6 A |
| Network Type | AC |
| Trip Unit Technology | Thermal-magnetic |
| Curve Code | C |
| Earth-Leakage Sensitivity | 30 mA |
| Earth-Leakage Protection Time Delay | Instantaneous |
| Earth-Leakage Protection Class | Type AC |
| Breaking Capacity | 6000 A Icn at 230...240 V AC 50 Hz conforming to EN/IEC 61009-2-1 |
| Suitability For Isolation | Yes conforming to EN/IEC 60947-2 |

Complementary

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|--|---|
| Complementary | Outgoer |
| Network Frequency | 50 Hz |
| [Ue] Rated Operational Voltage | 230...240 V AC 50 Hz |
| Magnetic Tripping Limit | 5...10 x In |
| Residual Current Tripping Technology | Voltage independent |
| [Ics] Rated Service Breaking Capacity | 6000 A 100 % x Icn at 230...240 V AC 50 Hz conforming to EN/IEC 61009-2-1 |
| Rated Breaking And Making Capacity | Idm 6000 A at 230...240 V AC 50 Hz conforming to EN/IEC 61009-2-1 |
| Limitation Class | 3 conforming to EN/IEC 61009-2-1 |
| [Ui] Rated Insulation Voltage | 400 V AC 50 Hz |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV |
| Contact Position Indicator | Yes |

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|---|---|
| Control Type | Toggle |
| Local Signalling | ON, OFF, fault trip |
| Mounting Mode | Clip-on |
| Mounting Support | DIN rail |
| Comb Busbar And Distribution Block Compatibility | Top or bottom: YES |
| Connection Pitch | 9 mm between phase and neutral |
| 9 Mm Pitches | 4 |
| Height | 85 mm |
| Width | 36 mm |
| Depth | 73 mm |
| Net Weight | 125 g |
| Colour | White |
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 20000 cycles |
| Locking Options Description | Padlocking device |
| Connections - Terminals | Single terminal top or bottom 1...16 mm ² rigid Single terminal top or bottom 1...10 mm ² flexible Single terminal top or bottom 1...10 mm ² flexible with ferrule |
| Wire Stripping Length | 15 mm for top or bottom connection |
| Tightening Torque | 2 N.m top or bottom |
| Earth-Leakage Protection | Integrated |

Environment

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| Standards | EN/IEC 61009-2-1 |
| Product Certifications | VDE GOST |
| IP Degree Of Protection | IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution Degree | 3 |
| Overvoltage Category | III conforming to IEC 60364 |
| Electromagnetic Compatibility | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1 |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Relative Humidity | 95 % at 55 °C |
| Ambient Air Temperature For Operation | -5...60 °C |
| Ambient Air Temperature For Storage | -40...85 °C |

Packing Units

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|-------------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 4.0 cm |
| Package 1 Width | 8.5 cm |
| Package 1 Length | 10.0 cm |
| Package 1 Weight | 208 g |

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|-------------------------------------|------------|
| Unit Type Of Package 2 | S03 |
| Number Of Units In Package 2 | 54 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 11.673 kg |
| Unit Type Of Package 3 | P12 |
| Number Of Units In Package 3 | 432 |
| Package 3 Height | 44.4 cm |
| Package 3 Width | 80 cm |
| Package 3 Length | 120 cm |
| Package 3 Weight | 105.384 kg |

Contractual warranty

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|-----------------|-----------|
| Warranty | 12 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 >](#)



Transparency

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Halogen Free Plastic Parts 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

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