

# Product data sheet

Specifications



## Acti9 DPN N Vigi - RCBO - 3P+N - 16A - C Curve - 6000A - 30mA - type AC

A9D31716

⚠ Discontinued on: Oct 14, 2021

⚠ Discontinued

### Main

|                                     |  |
|-------------------------------------|--|
| Range                               | Acti9  |
| Product Name                        | Acti9 DPN Vigi   |
| Product Or Component Type           | Residual current breaker with overcurrent protection (RCBO)          |
| Device Short Name                   | DPN N Vigi   |
| Device Application                  | Distribution   |
| Poles Description                   | 3P + N   |
| Number Of Protected Poles           | 3  |
| Neutral Position                    | Left   |
| [In] Rated Current                  | 16 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 380...415 V AC 50/60 Hz conforming to EN/IEC 61009-2-1 |
| Suitability For Isolation           | Yes conforming to EN/IEC 60947-2                                     |

### Complementary

|  |  |
|--|--|
| Complementary                          | Outgoer  |
| Network Frequency                      | 50/60 Hz   |
| [Ue] Rated Operational Voltage         | 380...415 V AC 50/60 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 380...415 V AC 50/60 Hz conforming to EN/IEC 61009-2-1 |
| Rated Breaking And Making Capacity     | Idm 6000 A at 380...415 V AC 50/60 Hz conforming to EN/IEC 61009-2-1         |
| Limitation Class                       | 3 conforming to EN/IEC 61009-2-1   |
| [Ui] Rated Insulation Voltage          | 440 V AC 50/60 Hz  |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV   |

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

|  |   |
|--|---|
| Contact Position Indicator                       | Yes   |
| 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                                 | 18 mm between phases<br>9 mm between phase and neutral  |
| 9 Mm Pitches                                     | 10  |
| Height   | 91 mm   |
| Width  | 90 mm   |
| Depth  | 78.5 mm   |
| Net Weight                                       | 498 g   |
| Colour   | White   |
| Mechanical Durability                            | 20000 cycles  |
| Electrical Durability                            | 20000 cycles  |
| Locking Options Description                      | Sealable<br>Padlocking device   |
| Connections - Terminals                          | Tunnel type terminal top or bottom 0.75...16 mm² rigid<br>Tunnel type terminal top or bottom 0.33...10 mm² flexible<br>Tunnel type terminal top or bottom 0.33...10 mm² 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

|                                       |  |
|---------------------------------------|--|
| Standards                             | EN/IEC 61009-2-1   |
| Ip Degree Of Protection               | IP20 conforming to IEC 60529<br>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                     | 90 % at 55 °C  |
| Ambient Air Temperature For Operation | -5...60 °C   |
| Ambient Air Temperature For Storage   | -30...70 °C  |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type Of Package 1       | PCE     |
| Number Of Units In Package 1 | 1       |
| Package 1 Height             | 9 cm    |
| Package 1 Width              | 11.3 cm |
| Package 1 Length             | 16.5 cm |

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|                  |       |
|------------------|-------|
| Package 1 Weight | 556 g |
|------------------|-------|

# 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-CO<sub>2</sub> products.

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Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

✓ Halogen Free Plastic Parts & Cables  
Product

## Certifications & Standards

|                          |   |
|--------------------------|---|
| Reach Regulation         | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive        | Compliant with Exemptions   |
| China Rohs Regulation    | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information       |
| Environmental Disclosure | <a href="#">Product Environmental Profile</a>   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | No need of specific recycling operations  |