

# Product datasheet

Specifications



Residual current breaker with overcur. prot. (RCBO), Acti9 iDPN N Vigi, 1P+N, 16A, C curve, 6000A, A-SI type, 30mA

A9D33616

## 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                  | 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 A-SI (Super Immunised)                                       |
| 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

|  |   |
|--|---|
| 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          | 440 V AC 50 Hz  |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV  |
| Contact Position Indicator             | Yes   |

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

|  |   |
|--|---|
| 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 mm² rigid<br>Single terminal top or bottom 1...10 mm² flexible<br>Single terminal top or bottom 1...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   |
| Product Certifications                | VDE<br>RCM   |
| 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, 3000 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 | -25...60 °C  |
| Ambient Air Temperature For Storage   | -40...85 °C  |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 8.000 cm  |
| Package 1 Width              | 4.000 cm  |
| Package 1 Length             | 9.800 cm  |
| Package 1 Weight             | 212.000 g |

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 2       | S03       |
| Number Of Units In Package 2 | 54        |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 12.561 kg |

## Contractual warranty

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

# Sustainability

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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Transparency

## Well-being performance

|                          |   |     |
|--------------------------|---|-----|
| ✓                        | Mercury Free  |     |
| ✓                        | Rohs Exemption Information  | Yes |
| ✓                        | Halogen Free Plastic Parts Product  |     |
|                          |   |     |
| 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 |     |