

# Product datasheet

Specifications



## Acti9 iDPN H Vigi - RCBO - 1P+N - 32A - B Curve - 10000A - 30mA - type A

A9D07632

Price: 135,750.00 NGN

### Main

|                                     |                                                                    |
|-------------------------------------|--------------------------------------------------------------------|
| Range                               | Acti9                                                              |
| Product name                        | Acti9 iDPN Vigi                                                    |
| Product or component type           | Residual current breaker with overcurrent protection (RCBO)        |
| Device short name                   | iDPN H Vigi                                                        |
| Device application                  | Distribution                                                       |
| poles description                   | 1P + N                                                             |
| Number of protected poles           | 1                                                                  |
| Neutral position                    | Left                                                               |
| [In] rated current                  | 32 A                                                               |
| Network type                        | AC                                                                 |
| Trip unit technology                | Thermal-magnetic                                                   |
| Curve code                          | B                                                                  |
| Earth-leakage sensitivity           | 30 mA                                                              |
| Earth-leakage protection time delay | Instantaneous                                                      |
| Earth-leakage protection class      | Type A                                                             |
| Breaking capacity                   | 10000 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                | 3...5 x In                                                               |
| Residual current tripping technology   | Voltage independent                                                      |
| [Ics] rated service breaking capacity  | 7500 A 75 % 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                                                                      |

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                            | 10000 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                                                                              |
| 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                     | 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             | 4.000 cm  |
| Package 1 Width              | 8.400 cm  |
| Package 1 Length             | 10.000 cm |
| Package 1 Weight             | 227.000 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             | 12.667 kg |

## 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-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 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      | <a href="#">End of Life Information</a>                                                                                     |