

## Product data sheet

### Characteristics

## A9D33620

Acti9 iDPN N Vigi - RCBO - 1P+N - 20A - C  
Curve - 6000A - 30mA - type A-SI



### Main

|                                     |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Range                               | Acti 9                                                            |
| Product name                        | Acti 9 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                  | 20 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 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1 |
| Suitability for isolation           | Yes conforming to EN/IEC 60947-2                                  |

### Complementary

|                                                  |                                                                           |
|--------------------------------------------------|---------------------------------------------------------------------------|
| Device location in system                        | Outgoer                                                                   |
| Network frequency                                | 50 Hz                                                                     |
| [Ue] rated operational voltage                   | 220...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 220...240 V AC 50 Hz conforming to EN/IEC 61009-2-1 |
| Rated breaking and making capacity               | Idm 6000 A at 220...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                                                                       |
| 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                                                        |
| 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 Weight             | 216 g  |
| Package 1 Height             | 7.5 cm |
| Package 1 width              | 3.6 cm |
| Package 1 Length             | 8.5 cm |

## Offer Sustainability

|                             |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status    | Green Premium product                                                                                                             |
| REACH Regulation            |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive           | Compliant  <a href="#">EU RoHS Declaration</a> |
| Mercury free                | Yes                                                                                                                               |
| RoHS exemption information  |  <a href="#">Yes</a>                           |
| China RoHS Regulation       |  <a href="#">China RoHS Declaration</a>        |
| 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       |
| Halogen content performance | Halogen free plastic parts product                                                                                                |

## Contractual warranty

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