



## Main

|                                     |                                                                   |
|-------------------------------------|-------------------------------------------------------------------|
| Range                               | Acti 9                                                            |
| Product name                        | Acti 9 iDPN N 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                          | B                                                                 |
| Earth-leakage sensitivity           | 30 mA                                                             |
| Earth-leakage protection time delay | Instantaneous                                                     |
| Earth-leakage protection class      | Type A                                                            |
| 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               | 3...5 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    | I <sub>dm</sub> 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                                                                                                                                                                                                     |
| Product 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 <sup>2</sup> rigid<br>Single terminal top or bottom 1...10 mm <sup>2</sup> flexible<br>Single terminal top or bottom 1...10 mm <sup>2</sup> 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>KEMA                                                                      |
| 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                                                                      |

## Offer Sustainability

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

Contractual warranty

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