

## Product data sheet

### Characteristics

## A9D73616

iSPN Vigi - earth leakage circuit breaker - 1P + N - C - 16A - 30 mA - 6000 A



### Main

|                             |                                                             |
|-----------------------------|-------------------------------------------------------------|
| Circuit breaker application | Distribution                                                |
| Range                       | Acti 9                                                      |
| Product name                | ISPN Vigi                                                   |
| Product or component type   | Residual current breaker with overcurrent protection (RCBO) |
| Poles description           | 1P + N                                                      |
| [In] rated current          | 16 A at 30 °C                                               |
| Curve code                  | C                                                           |
| Earth-leakage sensitivity   | 30 mA                                                       |
| Breaking capacity           | 6000 A Icn at 240 V AC 50 Hz                                |

### Complementary

|                                                  |                                             |
|--------------------------------------------------|---------------------------------------------|
| Neutral position                                 | Left                                        |
| Number of protected poles                        | 1                                           |
| Network frequency                                | 50 Hz                                       |
| Network type                                     | AC                                          |
| Trip unit technology                             | Thermal-magnetic                            |
| Magnetic tripping limit                          | 5...10 x In                                 |
| [Ue] rated operational voltage                   | 240 V AC 50 Hz                              |
| Residual current tripping technology             | Voltage dependent                           |
| Earth-leakage protection time delay              | Instantaneous                               |
| Earth-leakage protection class                   | Type A                                      |
| [Icw] rated short-time withstand current         | Icw: 500 A during 8/20 µs impulse withstand |
| Limitation class                                 | 3                                           |
| [Ui] rated insulation voltage                    | 400 V AC 50 Hz                              |
| [Uimp] rated impulse withstand voltage           | 4 kV                                        |
| Surge current                                    | 250 A                                       |
| Suitability for isolation                        | Yes                                         |
| Contact position indicator                       | Yes                                         |
| Control type                                     | Toggle                                      |
| Local signalling                                 | ON/OFF indication                           |
| Mounting mode                                    | Clip-on                                     |
| Mounting support                                 | DIN rail                                    |
| Comb busbar and distribution block compatibility | YES                                         |
| 9 mm pitches                                     | 2                                           |
| Height                                           | 93 mm                                       |
| Width                                            | 18 mm                                       |
| Depth                                            | 70 mm                                       |
| Net weight                                       | 136 g                                       |
| Colour                                           | White                                       |
| Mechanical durability                            | 20000 cycles                                |
| Electrical durability                            | 10000 cycles                                |
| Locking options description                      | ON/OFF locking facilities                   |

|                          |                                                                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - terminals  | Tunnel type terminal (upstream) 1...16 mm <sup>2</sup> rigid<br>Tunnel type terminal (downstream) 1...10 mm <sup>2</sup> rigid<br>Tunnel type terminal (upstream) 1...16 mm <sup>2</sup> flexible<br>Tunnel type terminal (downstream) 1...10 mm <sup>2</sup> flexible |
| Wire stripping length    | 11 Mm for downstream connection<br>13 mm for upstream connection                                                                                                                                                                                                       |
| Tightening torque        | 2 N.M upstream<br>2 N.m downstream                                                                                                                                                                                                                                     |
| Earth-leakage protection | Integrated                                                                                                                                                                                                                                                             |

## Environment

|                                       |                                 |
|---------------------------------------|---------------------------------|
| Standards                             | IEC 61009-2-2<br>AS/NZS 61009.1 |
| IP degree of protection               | IP20                            |
| Tropicalisation                       | 2                               |
| Relative humidity                     | 95 % at 55 °C                   |
| Ambient air temperature for operation | -25...55 °C                     |
| Ambient air temperature for storage   | -25...70 °C                     |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 141 g   |
| Package 1 Height             | 1.8 cm  |
| Package 1 width              | 7.2 cm  |
| Package 1 Length             | 9.25 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> |