

Product data sheet

Specifications



iDPN - circuit breaker - iDPN N - 1P + N - 25A - C curve

A9N21559

! Discontinued on: 14 October 2021

! Discontinued

Main

| | |
|---------------------------|--|
| Range of product | Clario |
| Range | Clario |
| Product name | IDPN |
| Product or component type | Miniature circuit-breaker |
| Device short name | iDPN N |
| Device application | Distribution |
| Poles description | 1P + N |
| Number of protected poles | 1 |
| Neutral position | Left |
| [In] rated current | 25 A |
| Network type | AC |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Breaking capacity | 10 kA Icu at 230 V AC 50/60 Hz conforming to IEC 60947-2 6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| Suitability for isolation | Yes |

Complementary

| | |
|--|--|
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 230 V AC 50/60 Hz between phase and neutral |
| Magnetic tripping limit | 5...10 x In |
| [Ics] rated service breaking capacity | 6000 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 7.5 kA 75 % x Icn at 230 V AC 50/60 Hz conforming to IEC 60947-2 |
| Limitation class | 3 conforming to EN/IEC 60898-1 |
| [Ui] rated insulation voltage | 400 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60947-2 |
| Contact position indicator | Yes |
| Control type | Toggle |

| | |
|-----------------------------|--|
| Local signalling | ON/OFF indication |
| Mounting mode | Clip-on |
| Mounting support | DIN rail |
| 9 mm pitches | 2 |
| Height | 81 mm |
| Width | 18 mm |
| Depth | 78 mm |
| Net weight | 115 g |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles |
| Locking options description | Padlocking device |
| Connections - terminals | Tunnel type terminals downstream 0.33...10 mm ² flexible Tunnel type terminals downstream 0.75...16 mm ² rigid Tunnel type terminals upstream 0.33...10 mm ² flexible Tunnel type terminals upstream 0.75...16 mm ² rigid |
| Wire stripping length | 13 mm |
| Tightening torque | 2 N.m |
| Earth-leakage protection | Separate block |

Environment

| | |
|---------------------------------------|----------------------------------|
| Standards | EN/IEC 60898-1 EN/IEC 60947-2 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Pollution degree | 3 conforming to IEC 60947-1 |
| Tropicalisation | 2 conforming to IEC 60068-1 |
| Relative humidity | 95 % at 55 °C |
| Operating altitude | 2000 m |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |

Packing Units

| | |
|------------------------------|--------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.8 cm |
| Package 1 Width | 7.5 cm |
| Package 1 Length | 9 cm |
| Package 1 Weight | 117 g |

Offer Sustainability

| | |
|-----------------------|---|
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |


| | |
|------------------------------------|---|
| RoHS exemption information | Yes |
| 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 product |

Contractual warranty

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

Recommended replacement(s)

A9N21559 is replaced by:

| | | |
|----|---|--|
| 1x |  | <p>Miniature circuit breaker (MCB), Acti9 iC40N, 1P+N, 25A, C curve, 6000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)</p> <p>A9P54625</p> |
|----|---|--|