

Product datasheet

Specifications



circuit breaker ComPact NSX100N AC/DC, 25 kA at 240 VAC, TMD trip unit 63 A, 1 pole 1d

Local distributor code: 399373079 LV438578

! Discontinued on: 20 March 2023

! Discontinued

Important message : This product has been switched to new ComPact range and is no longer commercialized. It will continue to be available in H1 2023 only limited to specific projects.
EAN Code : 3606480073595

Main

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|------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range | ComPact |
| Product name | ComPact NSX |
| Range of product | ComPact NSX100...250 DC ComPact NSX100...250 |
| Device short name | NSX100N |
| Product or component type | Circuit breaker |
| Device application | Distribution |
| Number of poles | 1P |
| Protected poles description | 1t |
| [In] rated current | 63 A at 40 °C |
| [Ue] rated operational voltage | 250 V DC 277 V AC 50/60 Hz |
| Network type | DC AC |
| Network frequency | 50/60 Hz |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Utilisation category | Category A |
| [Icu] rated ultimate short-circuit breaking capacity | 50 kA Icu at 250 V DC 1P conforming to IEC 60947-2 50 kA Icu at 125 V DC 1P conforming to IEC 60947-2 25 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level | N 25 kA 240 V AC |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Control type | Toggle |
| Circuit breaker mounting mode | Fixed |

Complementary

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|----------------------------------------|---------------------------------------------|
| [Ui] rated insulation voltage | 750 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2 |

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|------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] rated service short-circuit breaking capacity | 50 kA at 250 V DC conforming to IEC 60947-2 50 kA at 125 V DC conforming to IEC 60947-2 25 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles at 277 V In 20000 cycles at 277 V In/2 |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Connection pitch | 35 mm |
| Protection type | for overload protection (thermal) for short-circuit protection (magnetic) |
| Trip unit rating | 63 A at 40 °C |
| Long-time pick-up adjustment type Ir (thermal protection) | Fixed |
| [Ir] long-time protection pick-up adjustment range | 1 In |
| [Im] magnetic protection pick-up range | 500 A |
| Earth-leakage protection | Without |
| Width (W) | 35 mm |
| Height (H) | 161 mm |
| Depth (D) | 86 mm |

Environment

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|----------------------------------------------|--------------------------------------------------------------|
| Standards | EN/IEC 60947 |
| Product certifications | CCC EAC Marine |
| Overvoltage category | Class II |
| Electrical shock protection class | Class II |
| Pollution degree | 3 conforming to IEC 60664-1 |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -50...85 °C |
| Relative humidity | 0...95 % |
| Operating altitude | 0...2000 m without derating 2000 m...5000 m with derating |

Packing Units

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|-------------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.3 cm |
| Package 1 Width | 13.0 cm |
| Package 1 Length | 17.6 cm |
| Package 1 Weight | 720.0 g |

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|------------------------------|----------|
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 12 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 9.005 kg |

Offer Sustainability

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|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| 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 |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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Recommended replacement(s)

LV438578 is replaced by:

1x



circuit breaker ComPacT NSX100N AC/DC, 25 kA at 240 VAC, TMD trip unit 63 A, 1 pole 1d
C10N1TM063