

LV429014

circuit breaker basic frame, ComPact
NSX100B, 25 kA at 415 VAC 50/60 Hz, 100 A,
without trip unit, 3 poles



Main

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| Range | ComPact |
| Range of product | ComPact NSX100...250 |
| Device short name | NSX100B |
| Product or component type | Basic frame |
| Device application | Distribution |
| Circuit breaker name | Compact NSX100B |
| Number of poles | 3P |
| [In] rated current | 100 A at 40 °C |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz |
| Network type | 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 | 15 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 40 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level | B 25 kA 415 V AC |
| Control type | Toggle |
| Mounting mode | Fixed |

Complementary

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| [Ui] rated insulation voltage | 800 V AC 50/60 Hz conforming to IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 20 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 40 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 7.5 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability | 50000 cycles conforming to IEC 60947-2 |
| Electrical durability | 10000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 20000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 30000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 |
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Connection pitch | 35 mm |
| Protection type | Without protection |
| Width (W) | 105 mm |
| Height (H) | 161 mm |
| Depth (D) | 86 mm |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Environment

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|---------------------------------------|------------------------------|
| Standards | EN/IEC 60947-2 UL 508 |
| Product certifications | UL CSA |
| 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 |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 1.414 kg |
| Package 1 Height | 11.5 cm |
| Package 1 width | 14 cm |
| Package 1 Length | 19 cm |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 15 |
| Package 2 Weight | 22.475 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 40 cm |
| Package 2 Length | 60 cm |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 60 |
| Package 3 Weight | 99.9 kg |
| Package 3 Height | 50 cm |
| Package 3 width | 80 cm |
| Package 3 Length | 120 cm |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| 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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