

Product datasheet

Specifications



switch disconnecter ComPact NSX160 NA, 4 poles, 160 A

Local distributor code: 391354669 LV430639

! Discontinued on: 09 August 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 : 3606480011405

Main

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|---|--|
| Range | ComPact |
| Product name | ComPact NSX |
| Product or component type | Switch disconnecter |
| Device short name | Compact NSX160NA |
| Poles description | 4P |
| Network type | AC DC |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-3 750 V DC 3 poles in series conforming to IEC 60947-3 500 V DC 2 poles in series conforming to IEC 60947-3 250 V DC 1 pole conforming to IEC 60947-3 |
| [Ie] rated operational current | AC-22A: 160 A AC 50/60 Hz 220...690 V AC-23A: 160 A AC 50/60 Hz 220...690 V DC-22A: 160 A DC 250 V 1 pole DC-22A: 160 A DC 500 V 2 poles in series DC-23A: 160 A DC 250 V 1 pole DC-23A: 160 A DC 500 V 2 poles in series |
| [Ui] rated insulation voltage | 800 V AC 50/60 Hz conforming to IEC 60947-3 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-3 |
| [Ith] conventional free air thermal current | 160 A at 60 °C |
| [Icm] rated short-circuit making capacity | 330 kA with upstream protection circuit breaker 3.6 kA switch-disconnector alone |
| Breaking capacity code | NA |
| Suitability for isolation | Yes conforming to EN 60947-3 Yes conforming to IEC 60947-3 |
| Contact position indicator | Yes |
| Visible break | No |
| Pollution degree | 3 conforming to IEC 60664-1 |

Complementary

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| Control type | Toggle |
| Mounting mode | Fixed |
| Mounting support | Backplate |

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| Upside connection | Front |
| Downside connection | Front |
| [Icw] rated short-time withstand current | 0.96 kA during 20 s conforming to IEC 60947-3 2.5 kA during 1 s conforming to IEC 60947-3 2.5 kA during 3 s conforming to IEC 60947-3 |
| Mechanical durability | 40000 cycles conforming to IEC 60947-3 |
| Electrical durability | AC-22A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3 AC-22A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3 AC-23A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3 AC-23A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3 AC-22A: 10000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 15000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 30000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 5000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 10000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 15000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 30000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 5000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 |
| Connection pitch | 35 mm |
| Height | 161 mm |
| Width | 140 mm |
| Depth | 86 mm |
| Net weight | 2.2 kg |

Environment

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|--|------------------------------|
| Standards | EN/IEC 60947 UL 508 |
| Product certifications | EAC CCC |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Electrical shock protection class | Class II |
| Ambient air temperature for operation | -35...70 °C |
| Ambient air temperature for storage | -55...85 °C |

Packing Units

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|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 14.7 cm |
| Package 1 Width | 14.5 cm |
| Package 1 Length | 19.5 cm |
| Package 1 Weight | 2.44 kg |
| Unit Type of Package 2 | S04 |
| Number of Units in Package 2 | 9 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 40.0 cm |
| Package 2 Length | 60.0 cm |
| Package 2 Weight | 22.636 kg |

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 |
| 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)

LV430639 is replaced by:

1x



switch disconnecter ComPacT NSX160NA, 4 poles, 160 A, AC22A, AC23A
C164160S