

Product data sheet

Specifications



Circuit breaker basic frame,
ComPact NSX250F, 36kA at
415VAC 50/60 Hz, 250A, without
trip unit, 4 poles

LV431408

⚠ Discontinued on: Oct 26, 2023

⚠ Discontinued

Important message: This product has been switched to new
ComPacT range and is no longer commercialized.

Main

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|--|--|
| Range | ComPact |
| Range Of Product | ComPact NSX100...250 |
| Device Short Name | NSX250F |
| Product Or Component Type | Basic frame |
| Device Application | Distribution |
| Circuit Breaker Name | Compact NSX250F |
| Number Of Poles | 4P |
| Neutral Position | Left |
| [In] Rated Current | 250 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 | 85 kA at 240 V AC 50/60 Hz conforming to UL 508 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 480 V AC 50/60 Hz conforming to UL 508 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 15 kA at 600 V AC 50/60 Hz conforming to UL 508 |
| Performance Level | F 36 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 |

Disclaimer: 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

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|--|---|
| [Ics] Rated Service Short-Circuit Breaking Capacity | 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical Durability | 20000 cycles conforming to IEC 60947-2 |
| Electrical Durability | 10000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 10000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 20000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 5000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 |
| Mounting Support | Backplate |
| Upside Connection | Front |
| Downside Connection | Front |
| Connection Pitch | 35 mm |
| Protection Type | Without protection |
| Width (W) | 140 mm |
| Height (H) | 161 mm |
| Depth (D) | 86 mm |

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 Height | 13.900 cm |
| Package 1 Width | 14.700 cm |
| Package 1 Length | 19.200 cm |
| Package 1 Weight | 2.119 kg |
| Unit Type Of Package 2 | S04 |
| Number Of Units In Package 2 | 11 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 40.000 cm |
| Package 2 Length | 60.000 cm |
| Package 2 Weight | 24.042 kg |

Contractual warranty

Warranty

18 months

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

| | |
|---------------------------|--|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |