# Product datasheet

Specifications



Discontinued

## circuit breaker ComPact NSX400R. 200 kA at 415 VAC. MicroLogic 2.3 trip unit 400 A. 3 poles 3d

LV433602

Discontinued on: 09 Oct 2023

## Main

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|---|---|
| **Range** | ComPact |
| **Product Name** | ComPact NSX |
| **Range Of Product** | ComPact NSX400...630 |
| **Device Short Name** | NSX400R |
| **Product Or Component Type** | Circuit breaker |
| **Device Application** | Distribution |
| **Number Of Poles** | 3P |
| **Protected Poles Description** | 3t |
| **[In] Rated Current** | 400 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** | 200 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>200 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>200 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>80 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| **Performance Level** | R 200 kA 415 V AC |
| **Trip Unit Name** | MicroLogic 2.3 |
| **Trip Unit Technology** | Electronic |
| **Trip Unit Protection Functions** | LSoI |
| **Control Type** | Toggle |
| **Circuit Breaker Mounting Mode** | Fixed |

## Complementary

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|---|---|
| **[Ui] Rated Insulation Voltage** | 800 V AC 50/60 Hz |
| **[Uimp] Rated Impulse Withstand Voltage** | 8 kV |

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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** | 200 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2<br>200 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2<br>200 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2<br>80 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2<br>65 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2<br>45 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| **Mechanical Durability** | 15000 cycles |
| **Electrical Durability** | 3000 cycles at 690 V In<br>6000 cycles at 690 V In/2<br>6000 cycles at 440 V In<br>12000 cycles at 440 V In/2 |
| **Mounting Support** | Backplate |
| **Upside Connection** | Front |
| **Downside Connection** | Front |
| **Connection Pitch** | 45 mm |
| **Protection Type** | L : for overload protection (long time)<br>So : for short time short-circuit protection with fixed delay<br>I : for instantaneous short-circuit protection |
| **Trip Unit Rating** | 400 A at 40 °C |
| **Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)** | Adjustable 9 settings |
| **[Ir] Long-Time Protection Pick-Up Adjustment Range** | 160...400 A |
| **Long-Time Protection Delay Adjustment Type Tr** | Fixed |
| **[Tr] Long-Time Protection Delay Adjustment Range** | 11 s at 7.2 x Ir<br>16 s at 6 x Ir<br>400 s at 1.5 x Ir |
| **Thermal Memory** | 20 minutes before and after tripping |
| **Short-Time Protection Pick-Up Adjustment Type Isd** | Adjustable 9 settings |
| **[Isd] Short-Time Protection Pick-Up Adjustment Range** | 1.5...10 x Ir |
| **Short-Time Protection Delay Adjustment Type Tsd** | Fixed |
| **Instantaneous Protection Pick-Up Adjustment Type Ii** | Fixed |
| **[Ii] Instantaneous Protection Pick-Up Adjustment Range** | 4800 A |
| **Earth-Leakage Protection** | Without |
| **Zone Selective Interlocking Zsi** | Without |
| **Number Of Slots For Electrical Auxiliaries** | 6 slot(s) |
| **Local Signalling** | Flashing LED (green) for ready to operate<br>LED 105 % Ir (red) for overload<br>LED 90 % Ir (orange) for overload |
| **Width (W)** | 140 mm |
| **Height (H)** | 255 mm |
| **Depth (D)** | 110 mm |
| **Net Weight** | 6.05 kg |

# Environment

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|---|---|
| **Standards** | EN/IEC 60947 |
| **Product Certifications** | CCC<br>Marine<br>EAC |

| | |
|---|---|
| **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<br>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** | 15.2 cm |
| **Package 1 Width** | 15.2 cm |
| **Package 1 Length** | 29.2 cm |
| **Package 1 Weight** | 5.752 kg |

## Contractual warranty

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

## Sustainability

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Transparency



RoHS/REACh

## Well-being performance

| | |
|---|---|
| Mercury Free | |
| Rohs Exemption Information | Yes |

## Certifications & Standards

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|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Compliant with Exemptions |
| **China Rohs Regulation** | China RoHS declaration<br>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 |