

Product datasheet

Specifications



circuit breaker basic frame,
ComPacT NSX100F, 36 kA at 415
VAC 50/60 Hz, 100 A, without trip
unit, 3 poles

C10F3

Main

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|--|--|
| Range | ComPacT new generation |
| Product name | ComPacT NSX new generation |
| Device short name | NSX100F |
| Product or component type | Basic frame |
| Device application | Distribution |
| Poles description | 3P |
| [In] rated current | 100 A at 40 °C |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz conforming to IEC 60947-2 |
| 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 | 10 kA at 600 V AC 50/60 Hz conforming to UL 508 25 kA at 480 V AC 50/60 Hz conforming to UL 508 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 25 kA Icu at 500 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 |
| 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 |
| [Ics] rated service short-circuit breaking capacity | 11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 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 4 kA at 660/690 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 12.5 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

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|----------------------------|--------------------|
| 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 |

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 | 1.448 kg |
| Package 1 Height | 11.0 cm |
| Package 1 width | 14.0 cm |
| Package 1 Length | 19.5 cm |
| Unit Type of Package 2 | P12 |
| Number of Units in Package 2 | 56 |
| Package 2 Weight | 96.288 kg |
| Package 2 Height | 43.0 cm |
| Package 2 width | 80.0 cm |
| Package 2 Length | 120.0 cm |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 7 |
| Package 3 Weight | 10.536 kg |
| Package 3 Height | 30.0 cm |
| Package 3 width | 30.0 cm |
| Package 3 Length | 40.0 cm |

Offer Sustainability

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|-------------------------|-----------------------------------|
| REACH Regulation | REACH Declaration |
|-------------------------|-----------------------------------|

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|-----------------------------------|---|
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |

Contractual warranty

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