

C63S3

Circuit breaker basic frame, ComPacT
NSX630S, 100kA/415VAC, 3 poles, 630A
frame rating, without trip unit



Main

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|--|--|
| Range | ComPacT new generation |
| Product name | ComPacT NSX new generation |
| Device short name | NSX630S |
| Product or component type | Basic frame |
| Device application | Distribution |
| Poles description | 3P |
| [In] rated current | 630 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 | 100 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 120 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 40 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 90 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Performance level | S 100 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 | 100 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 120 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 65 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 90 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 12 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 12 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 |
| Mechanical durability | 15000 cycles conforming to IEC 60947-2 |
| Electrical durability | 6000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 2000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 4000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 8000 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 | 45 mm |
| Protection type | Without protection |
| Width (W) | 140 mm |

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|------------|--------|
| Height (H) | 255 mm |
| Depth (D) | 110 mm |






Environment

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|---------------------------------------|------------------------------|
| Standards | EN/IEC 60947-2 UL 508 |
| Product certifications | CSA[RETURN]UL |
| 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 | 15.5 cm |
| Package 1 Width | 15.5 cm |
| Package 1 Length | 30.5 cm |
| Package 1 Weight | 4.636 kg |
| Unit Type of Package 2 | P12 |
| Number of Units in Package 2 | 36 |
| Package 2 Height | 45 cm |
| Package 2 Width | 80 cm |
| Package 2 Length | 120 cm |
| Package 2 Weight | 182 kg |

Offer Sustainability

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|-----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Compliant with Exemptions |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |
| Halogen content performance | Halogen free plastic parts product |