

C16S4D

circuit breaker basic frame, ComPacT
NSX160S DC, 100 kA at 750 VDC, 160 A,
without trip unit, 4 poles



Main

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|--|---|
| Range | ComPacT new generation |
| Product name | ComPacT NSX DC new generation |
| Device short name | NSX160S DC |
| Product or component type | Basic frame |
| Device application | Distribution |
| Poles description | 4P |
| Neutral position | Left |
| [In] rated current | 160 A at 40 °C |
| [Ue] rated operational voltage | 750 V DC conforming to IEC 60947-2 |
| Network type | DC |
| 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 250 V DC 1P conforming to IEC 60947-2 100 kA Icu at 24...125 V DC 1P conforming to IEC 60947-2 100 kA Icu at 500 V DC 2P conforming to IEC 60947-2 100 kA Icu at 750 V DC 3P conforming to IEC 60947-2 |
| Performance level | S 100 kA 750 V DC |
| Control type | Toggle |
| Mounting mode | Fixed |

Complementary

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|---|---|
| [Ui] rated insulation voltage | 750 V DC 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 250 V DC conforming to IEC 60947-2 (1P) 100 kA at 24...125 V DC conforming to IEC 60947-2 (1P) 100 kA at 500 V DC conforming to IEC 60947-2 (2P) 100 kA at 750 V DC conforming to IEC 60947-2 (3P) |
| Maximum breaking time | 10 ms |
| Mechanical durability | 10000 cycles conforming to IEC 60947-2 |
| Electrical durability | 10000 Cycles 250 V DC In/2 conforming to IEC 60947-2 10000 Cycles 500 V DC In/2 conforming to IEC 60947-2 10000 Cycles 750 V DC In/2 conforming to IEC 60947-2 5000 Cycles 250 V DC In conforming to IEC 60947-2 5000 Cycles 500 V DC In conforming to IEC 60947-2 5000 cycles 750 V DC 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 | IEC 60947-2 |
| Product certifications | ASTA[RETURN]LCIE[RETURN]KEMA[RETURN]ASEFA |
| Pollution degree | 3 conforming to IEC 60664-1 |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to EN 50102 |
| 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 | 14 cm |
| Package 1 Width | 15 cm |
| Package 1 Length | 19 cm |
| Package 1 Weight | 2.023 kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 6 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |
| Package 2 Weight | 14.078 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 | No need of specific recycling operations |