# Product data sheet
## Characteristics

# C163160S
Switch disconnector, ComPacT NSX160NA, 3 poles, fixed, thermal current Ith 160A



## Main

| | |
|---|---|
| Range | ComPacT |
| Product name | ComPacT NSX |
| Device short name | NSX160NA |
| Product or component type | Switch disconnector |
| Device application | Distribution |
| Poles description | 3P |
| [Ith] conventional free air thermal current | 160 A at 50 °C |
| [Ie] rated operational current | AC-22A: 160 A AC 50/60 Hz 220...690 V<br>AC-23A: 160 A AC 50/60 Hz 220...690 V<br>DC-22A: 160 A DC 250 V 1 pole<br>DC-22A: 160 A DC 500 V 2 poles in series<br>DC-23A: 160 A DC 250 V 1 pole<br>DC-23A: 160 A DC 500 V 2 poles in series<br>DC-22A: 160 A DC 750 V 3 poles in series<br>DC-23A: 160 A DC 750 V 3 poles in series |
| [Ue] rated operational voltage | 690 V AC 50/60 Hz<br>750 V DC 3 poles in series<br>500 V DC 2 poles in series<br>250 V DC 1 pole |
| Network type | DC<br>AC |
| Suitability for isolation | Yes conforming to EN/IEC 60947-3 |
| Utilisation category | AC-22A<br>AC-23A<br>DC-22A<br>DC-23A |
| Breaking capacity code | NA |
| Contact position indicator | Yes |
| Visible break | No |
| Mounting mode | Fixed |
| [Icw] rated short-time withstand current | 2.5 KA during 1 s<br>2.5 KA during 3 s<br>0.96 KA during 20 s |
| [Icm] rated short-circuit making capacity | 330 KA with upstream protection circuit breaker<br>3.6 KA switch-disconnector alone |
| Control type | Toggle |
| [Ui] rated insulation voltage | 800 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 8 KV |

## Complementary

| | |
|---|---|
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| Connection pitch | 35 Mm |
| Mechanical durability | 40000 Cycles |
| Electrical durability | AC-22A: 30000 cycles 440 V AC 50/60 Hz In/2<br>AC-23A: 30000 cycles 440 V AC 50/60 Hz In/2<br>AC-22A: 15000 cycles 440 V AC 50/60 Hz In<br>AC-23A: 15000 cycles 440 V AC 50/60 Hz In<br>AC-22A: 10000 cycles 690 V AC 50/60 Hz In/2<br>AC-23A: 10000 cycles 690 V AC 50/60 Hz In/2<br>AC-22A: 5000 cycles 690 V AC 50/60 Hz In<br>AC-23A: 5000 cycles 690 V AC 50/60 Hz In<br>DC-22A: 10000 cycles 250 V DC In/2 (1 pole)<br>DC-23A: 10000 cycles 250 V DC In/2 (1 pole)<br>DC-22A: 5000 cycles 500 V DC In (2 poles in series)<br>DC-23A: 5000 cycles 500 V DC In (2 poles in series) |
| Width | 105 Mm |
| Height | 161 Mm |
| Depth | 86 Mm |
| Net weight | 1.8 Kg |
| Standards | EN/IEC 60947-1<br>EN/IEC 60947-3 |

## Environment

| | |
|---|---|
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Electrical shock protection class | Class II |
| Pollution degree | 3 conforming to IEC 60664-1 |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -50…85 °C |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 14.000 Cm |
| Package 1 Width | 11.000 Cm |
| Package 1 Length | 19.000 Cm |
| Package 1 Weight | 1.880 Kg |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 7 |
| Package 2 Height | 30.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 13.557 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 54 |
| Total lifecycle Carbon footprint | 172 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 10.45104761904762 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 10 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.5453887657920311 |
| Carbon footprint of the distribution phase [A4] | 0.5 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.15969840621963072 |
| Carbon footprint of the installation phase [A5] | 0.2 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 157.17335039999998 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 157 kg CO2 eq. |

| | |
|---|---|
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 3.1986567541302238 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 3 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 172 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 3874e08b-fcb8-4aa9-87c4-d36abebf2833 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, wh |
| Halogen-free status | Product contains halogen above thresholds |
| PVC free | Yes |
| End of life manual availability | End Of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

| | |
|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised