

Product datasheet

Specifications



switch disconnecter ComPacT NSX160NA, 3 poles, 160 A, AC22A, AC23A

C163160S

Main

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

Complementary

| | |
|---------------|--------|
| Control type | Toggle |
| Mounting mode | Fixed |

| | |
|---|--|
| Mounting support | Backplate |
| Upside connection | Front |
| Downside connection | Front |
| [Icw] rated short-time withstand current | 0.96 kA during 20 s conforming to IEC 60947-3 2.5 kA during 1 s conforming to IEC 60947-3 2.5 kA during 3 s conforming to IEC 60947-3 |
| Mechanical durability | 40000 cycles conforming to IEC 60947-3 |
| Electrical durability | AC-22A: 30000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 30000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 15000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 15000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 10000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 10000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 5000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 5000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 DC-22A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3 DC-23A: 10000 cycles 250 V DC In/2 (1 pole) conforming to IEC 60947-3 DC-22A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3 DC-23A: 5000 cycles 500 V DC In (2 poles in series) conforming to IEC 60947-3 |
| Connection pitch | 35 mm |
| Height | 161 mm |
| Width | 105 mm |
| Depth | 86 mm |
| Net weight | 1.8 kg |
| Compatibility code | NSX160 |

Environment

| | |
|--|------------------------------|
| Standards | EN/IEC 60947 UL 508 |
| Product certifications | EAC CCC |
| 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 Weight | 1.892 kg |
| Package 1 Height | 14 cm |
| Package 1 width | 11 cm |
| Package 1 Length | 19 cm |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 7 |
| Package 2 Weight | 13.626 kg |
| Package 2 Height | 30 cm |
| Package 2 width | 30 cm |

| | |
|------------------|-------|
| Package 2 Length | 40 cm |
|------------------|-------|

Offer Sustainability

| | |
|--------------------------|-----------------------|
| Sustainable offer status | Green Premium product |
|--------------------------|-----------------------|

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

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

| | |
|--------------------------|---|
| Environmental Disclosure | Product Environmental Profile |
|--------------------------|---|

| | |
|---------------------|---|
| Circularity Profile | End of Life Information |
|---------------------|---|

| | |
|----------|-----|
| PVC free | Yes |
|----------|-----|

Contractual warranty

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