

# Product datasheet

Specifications



## switch disconnecter ComPacT NSX160NA, 4 poles, 160 A, AC22A, AC23A

C164160S

EAN Code : 3606481999290

### Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX160NA
Product or component type	Switch disconnecter
Device application	Distribution
Poles description	4P
[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 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
[Ue] rated operational voltage	690 V AC 50/60 Hz 750 V DC 3 poles in series 500 V DC 2 poles in series 250 V DC 1 pole
Network type	AC DC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	AC-22A AC-23A DC-22A 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 2.5 kA during 3 s 0.96 kA during 20 s
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 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 AC-23A: 30000 cycles 440 V AC 50/60 Hz In/2 AC-22A: 15000 cycles 440 V AC 50/60 Hz In AC-23A: 15000 cycles 440 V AC 50/60 Hz In AC-22A: 10000 cycles 690 V AC 50/60 Hz In/2 AC-23A: 10000 cycles 690 V AC 50/60 Hz In/2 AC-22A: 5000 cycles 690 V AC 50/60 Hz In AC-23A: 5000 cycles 690 V AC 50/60 Hz In DC-22A: 10000 cycles 250 V DC In/2 (1 pole) DC-23A: 10000 cycles 250 V DC In/2 (1 pole) DC-22A: 5000 cycles 500 V DC In (2 poles in series) DC-23A: 5000 cycles 500 V DC In (2 poles in series)
Width (W)	140 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.2 kg
Standards	EN/IEC 60947-1 EN/IEC 60947-3
Product certifications	CE EAC CCC

## 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	14.0 cm
Package 1 Width	14.8 cm
Package 1 Length	19.5 cm
Package 1 Weight	2.434 kg
Unit Type of Package 2	S03
Number of Units in Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm

Package 2 Length	40.0 cm
Package 2 Weight	14.994 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
PVC free	Yes

## Contractual warranty

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

## Recommended replacement(s)