

Product datasheet

Specifications



switch disconnector ComPacT NSX100NA, 3 poles, 100 A, AC22A, AC23A

C103100S

Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Product or component type	Switch disconnecter
Device short name	NSX100NA
Poles description	3P
Network type	AC DC
[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: 100 A AC 50/60 Hz 220...690 V AC-23A: 100 A AC 50/60 Hz 220...690 V DC-22A: 100 A DC 250 V 1 pole DC-22A: 100 A DC 500 V 2 poles in series DC-23A: 100 A DC 250 V 1 pole DC-23A: 100 A DC 500 V 2 poles in series DC-22A: 100 A DC 750 V 3 poles in series DC-23A: 100 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	100 A at 60 °C
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 2.6 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	0.69 kA during 20 s conforming to IEC 60947-3 1.8 kA during 1 s conforming to IEC 60947-3 1.8 kA during 3 s conforming to IEC 60947-3
Mechanical durability	50000 cycles conforming to IEC 60947-3
Electrical durability	AC-22A: 35000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 35000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 20000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 20000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 15000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 15000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 8000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 8000 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	NSX100

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	1.776 kg
Package 1 Height	14 cm
Package 1 width	11.2 cm
Package 1 Length	19 cm
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Weight	12.816 kg
Package 2 Height	30 cm
Package 2 width	30 cm

Package 2 Length	40 cm
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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
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