



Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX630NA
Product or component type	Switch disconnector
Device application	Distribution
Poles description	3P
[I <sub>th</sub> ] conventional free air thermal current	630 A at 50 °C
[I <sub>e</sub> ] rated operational current	AC-22A: 630 A AC 50/60 Hz 220...690 V AC-23A: 630 A AC 50/60 Hz 220...690 V
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Suitability for isolation	Yes conforming to EN/IEC 60947-3
Utilisation category	AC-22A AC-23A
Breaking capacity code	NA
Contact position indicator	Yes
Visible break	No
Mounting mode	Fixed
[I <sub>cw</sub> ] rated short-time withstand current	6 kA during 1 s 6 kA during 3 s 2.32 kA during 20 s
[I <sub>cm</sub> ] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 8.5 kA switch-disconnector alone
Control type	Toggle
[U <sub>i</sub> ] rated insulation voltage	800 V AC 50/60 Hz
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV

Complementary

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	45 mm
Mechanical durability	15000 cycles
Electrical durability	AC-22A: 1500 cycles 690 V AC 50/60 Hz In AC-22A: 3000 cycles 440 V AC 50/60 Hz In AC-22A: 3000 cycles 690 V AC 50/60 Hz In/2 AC-22A: 6000 cycles 440 V AC 50/60 Hz In/2 AC-23A: 1500 cycles 690 V AC 50/60 Hz In AC-23A: 3000 cycles 440 V AC 50/60 Hz In AC-23A: 3000 cycles 690 V AC 50/60 Hz In/2 AC-23A: 6000 cycles 440 V AC 50/60 Hz In/2
Width (W)	140 mm
Height (H)	255 mm
Depth (D)	110 mm
Net weight	5.2 kg

Standards	EN/IEC 60947-1 EN/IEC 60947-3
Product certifications	CE[RETURN]EAC[RETURN]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	15.4 cm
Package 1 Width	15.8 cm
Package 1 Length	29.4 cm
Package 1 Weight	5.583 kg
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Height	30.0 cm
Package 2 Width	40.0 cm
Package 2 Length	60.0 cm
Package 2 Weight	11.83 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 Yes
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	 <a href="#">End Of Life Information</a>
PVC free	Yes
Halogen content performance	Halogen free plastic parts product