

Product datasheet

Specifications



switch disconnecter ComPacT NSX630NA, 3 poles, 630 A, AC22A, AC23A

C633630S

Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Product or component type	Switch disconnecter
Device short name	NSX630NA
Poles description	3P
Network type	AC
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-3
[Ie] 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
[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	630 A at 60 °C
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 8.5 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

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
[Icw] rated short-time withstand current	2.32 kA during 20 s conforming to IEC 60947-3 6 kA during 1 s conforming to IEC 60947-3 6 kA during 3 s conforming to IEC 60947-3
Mechanical durability	15000 cycles conforming to IEC 60947-3

Electrical durability	AC-22A: 1500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-22A: 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-22A: 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 1500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 3000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-3 AC-23A: 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-3 AC-23A: 6000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-3
Connection pitch	45 mm
Height	255 mm
Width	140 mm
Depth	110 mm
Net weight	5.2 kg
Compatibility code	NSX630

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	5.583 kg
Package 1 Height	15.4 cm
Package 1 width	15.8 cm
Package 1 Length	29.4 cm
Unit Type of Package 2	S04
Number of Units in Package 2	2
Package 2 Weight	11.83 kg
Package 2 Height	30 cm
Package 2 width	40 cm
Package 2 Length	60 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
Halogen content performance	Halogen free plastic parts product

Contractual warranty

Warranty	18 months
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