

Product data sheet

Characteristics

C634630S

Switch disconnecter, ComPacT NSX630NA, 4 poles, fixed, thermal current Ith 630A



Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX630NA
Product or component type	Switch disconnecter
Device application	Distribution
Poles description	4P
[Ith] conventional free air thermal current	630 A at 50 °C
[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
[Ue] 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
[Icw] rated short-time withstand current	6 kA during 1 s 6 kA during 3 s 2.32 kA during 20 s
[Icm] rated short-circuit making capacity	330 kA with upstream protection circuit breaker 8.5 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	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)	185 mm
Height (H)	255 mm

Depth (D)	110 mm
Net weight	6.8 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	15.0 cm
Package 1 Width	20.0 cm
Package 1 Length	29.0 cm
Package 1 Weight	7.271 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	15.296 kg

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
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
PVC free	Yes
Halogen content performance	Halogen free plastic parts product