

C63S3

Circuit breaker basic frame, ComPacT
NSX630S, 100kA/415VAC, 3 poles, 630A
frame rating, without trip unit



Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX630S
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	630 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	100 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 120 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 40 KA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 65 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 90 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	S 100 kA 415 V AC
Control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	100 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 120 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 65 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 90 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 12 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 12 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	15000 cycles conforming to IEC 60947-2
Electrical durability	6000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 2000 Cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 4000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 8000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	45 mm
Protection type	Without protection
Width (W)	140 mm

Height (H)	255 mm
Depth (D)	110 mm

Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	CSA[RETURN]UL
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
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	15.5 cm
Package 1 Width	15.5 cm
Package 1 Length	30.5 cm
Package 1 Weight	4.636 kg
Unit Type of Package 2	P12
Number of Units in Package 2	36
Package 2 Height	45 cm
Package 2 Width	80 cm
Package 2 Length	120 cm
Package 2 Weight	182 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 China RoHS Declaration
RoHS exemption information	 Yes
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information
Halogen content performance	Halogen free plastic parts product