

C10S3D

Circuit breaker basic frame, ComPacT
NSX100S DC, 100kA/750VDC, 3 poles, 100A
frame rating, without trip unit



Main

Range	ComPacT new generation
Product name	ComPacT NSX DC new generation
Device short name	NSX100S DC
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	100 A at 40 °C
[Ue] rated operational voltage	750 V DC conforming to IEC 60947-2
Network type	DC
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 250 V DC 1P conforming to IEC 60947-2 100 KA Icu at 24...125 V DC 1P conforming to IEC 60947-2 100 KA Icu at 500 V DC 2P conforming to IEC 60947-2 100 kA Icu at 750 V DC 3P conforming to IEC 60947-2
Performance level	S 100 KA 750 V DC
Control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	750 V DC 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 250 V DC conforming to IEC 60947-2 (1P) 100 KA at 24...125 V DC conforming to IEC 60947-2 (1P) 100 KA at 500 V DC conforming to IEC 60947-2 (2P) 100 kA at 750 V DC conforming to IEC 60947-2 (3P)
Maximum breaking time	10 ms
Mechanical durability	10000 cycles conforming to IEC 60947-2
Electrical durability	10000 Cycles 250 V DC In/2 conforming to IEC 60947-2 10000 Cycles 500 V DC In/2 conforming to IEC 60947-2 10000 Cycles 750 V DC In/2 conforming to IEC 60947-2 5000 Cycles 250 V DC In conforming to IEC 60947-2 5000 Cycles 500 V DC In conforming to IEC 60947-2 5000 cycles 750 V DC In conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Protection type	Without protection
Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm

Environment

Standards	IEC 60947-2
Product certifications	ASTA[RETURN]ASEFA[RETURN]KEMA[RETURN]LCIE
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
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	14.4 cm
Package 1 Width	11.4 cm
Package 1 Length	19.3 cm
Package 1 Weight	1.51 kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	10.944 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	No need of specific recycling operations