



Main

Range	ComPact
Range of product	ComPact NSX100...250 DC
Device short name	Compact NSX100F DC
Product or component type	Basic frame
Device application	Distribution
Circuit breaker name	Compact NSX100F DC
Number of poles	4P
[In] rated current	100 A at 40 °C
[Ue] rated operational voltage	750 V DC
Network type	DC
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	36 kA Icu at 250 V DC 1P conforming to IEC 60947-2 36 kA Icu at 24...125 V DC 1P conforming to IEC 60947-2 36 kA Icu at 500 V DC 2P conforming to IEC 60947-2 36 kA Icu at 750 V DC 3P conforming to IEC 60947-2
Performance level	F 36 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	36 kA at 250 V DC conforming to IEC 60947-2 (1P) 36 kA at 48/125 V DC conforming to IEC 60947-2 (1P) 36 kA at 500 V DC conforming to IEC 60947-2 (2P) 36 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)	140 mm
Height (H)	161 mm
Depth (D)	86 mm

Environment

Standards	IEC 60947-2
Product certifications	KEMA ASEFA ASTA 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 Weight	2.043 kg
Package 1 Height	14 cm
Package 1 width	14 cm
Package 1 Length	16 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
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information

Contractual warranty

Warranty	18 months
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