



Main

Range	Compact
Range of product	NSX100...250
Product or component type	Basic frame
Device short name	Compact NSX100F
Device application	Distribution
Circuit breaker name	Compact NSX100F
Poles description	3P
Network type	AC
Network frequency	50/60 Hz
[In] rated current	100 A (40 °C)
[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
[Ue] rated operational voltage	AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	F
Breaking capacity	8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 600 V AC 50/60 Hz conforming to UL 508 25 kA at 480 V AC 50/60 Hz conforming to UL 508 85 kA at 240 V AC 50/60 Hz conforming to UL 508
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
Pollution degree	3 conforming to IEC 60947-1

Complementary

Control type	Toggle
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Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Protection type	Without protection
Mechanical durability	50000 cycles conforming to IEC 60947-2
Electrical durability	10000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 20000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 30000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Height	161 mm
Width	105 mm
Depth	86 mm

Environment

Standards	EN 60947-2 UL 508 IEC 60947-2
Product certifications	UL CSA
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0819 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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