



Main

Device short name	Compact NSX100F
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	690 V AC 50/60 Hz conforming to IEC 60947-2
Circuit breaker rating code	F
Breaking capacity	Icu 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 8 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 85 kA at 240 V AC 50/60 Hz conforming to UL 508 25 kA at 480 V AC 50/60 Hz conforming to UL 508 10 kA at 600 V AC 50/60 Hz conforming to UL 508
[Ics] rated service breaking capacity	Ics 4 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 11 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 12.5 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 35 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 36 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 85 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2 Yes conforming to EN 60947-2
Utilisation category	Category A
Pollution degree	3 conforming to IEC 60947-1

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front

Mechanical durability	50000 cycles conforming to IEC 60947-2
Electrical durability	50000 cycles 440 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 20000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 10000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2
Connection pitch	35 mm
Height	161 mm
Width	105 mm
Depth	86 mm

Environment

Standards	EN 60947-2 IEC 60947-2 NEMA AB1 UL 508
Product certifications	CSA UL
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
RoHS EUR conformity date	0819
RoHS EUR status	Compliant