





Main

Range	Compact
Range of product	NSX100...250
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX100H
Device application	Distribution
Poles description	3P
Protected poles description	3t
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
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	690 V AC 50/60 Hz
Breaking capacity code	H
Breaking capacity	35 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 600 V AC 50/60 Hz conforming to UL 508 100 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 65 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 65 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 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 35 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 50 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 50 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 70 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 100 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 35 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 10 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 65 kA 440 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Trip unit rating	25 A (40 °C)
Protection type	Short-circuit protection (magnetic) Overload protection (thermal)
Pollution degree	3 conforming to IEC 60664-1

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	50000 cycles
Electrical durability	10000 cycles 690 V In conforming to IEC 60947-2 20000 cycles 690 V In/2 conforming to IEC 60947-2 50000 cycles 440 V In/2 conforming to IEC 60947-2 30000 cycles 440 V In conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.7...1 x In
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment	120...400 s 1.5 x In 15 s 6 x Ir
Short-time pick-up adjustment type Isd	Fixed
[Isd] short-time pick-up adjustment range	300 A
Short-time delay adjustment type	Fixed
Height	161 mm
Width	105 mm
Depth	86 mm
Product weight	2.05 kg
Compatibility code	NSX100

Environment

Electrical shock protection class	Class II
Standards	NEMA AB1 EN 60947-2 UL 508 IEC 60947-2
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

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
Product environmental profile	Available End Of Life Manual
Product end of life instructions	Available

Contractual warranty

Warranty period	18 months
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