

## LV429004

circuit breaker Compact NSX100H - 100 A - 3 poles - without trip unit



### Main

Range of product	NSX100...250
Device short name	Compact NSX100H
Circuit breaker name	Compact NSX100H
Poles description	3P
Network type	AC
Network frequency	50/60 Hz
[In] rated current	100 A ( 40 °C )
[U <sub>i</sub> ] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[U <sub>imp</sub> ] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[U <sub>e</sub> ] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	H
Breaking capacity	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 35 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 65 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 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 Icu 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 100 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 35 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 65 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 70 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
[I <sub>cs</sub> ] rated service breaking capacity	Ics 10 kA 660/690 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 50 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 65 kA 440 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
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
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front

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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 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

## Offer Sustainability

Sustainable offer status	Green Premium product
RoHS	Compliant - since 0819 - Schneider Electric declaration of conformity
Product environmental profile	Available
Product end of life instructions	Need no specific recycling operations