



Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX250R
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	250 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	R (200 kA) AC
Breaking capacity	200 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 200 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 200 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 80 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 45 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 65 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 200 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 200 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 200 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 80 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 45 kA 660/690 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	Micrologic 2.2
Trip unit technology	Electronic
Trip unit protection functions	LSol
Trip unit rating	100 A (40 °C)
Protection type	Instantaneous short-circuit protection Overload protection (long time)

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Short time short-circuit protection

Pollution degree	3 conforming to IEC 60664-1
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Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Auxiliary contact composition	Without
Mechanical durability	20000 cycles
Electrical durability	10000 cycles 440 V In conforming to IEC 60947-2 10000 cycles 690 V In/2 conforming to IEC 60947-2 20000 cycles 440 V In/2 conforming to IEC 60947-2 5000 cycles 690 V In conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	LED 105 % I _r LED 90 % I _r LED ready
Long time pick-up adjustment type I _r	Adjustable 9 settings
Long time pick-up adjustment range	0.9...1 x I _o
Long time delay adjustment type	Fixed
[T _r] long-time delay adjustment range	11 s 7.2 x I _r 16 s 6 x I _r 400 s 1.5 x I _r
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I _{sd}	Adjustable 9 settings
[I _{sd}] short-time pick-up adjustment range	1.5...10 x I _r
Short-time delay adjustment type	Fixed
Instantaneous pick-up adjustment type I _i	Fixed
Instantaneous pick-up adjustment range	1500 A
Height	161 mm
Width	105 mm
Depth	86 mm
Product weight	2.4 kg

Environment

Overvoltage category	Class II
Electrical shock protection class	Class II
Standards	EN/IEC 60947
Product certifications	CCC Marine EAC
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

RoHS (date code: YYWW)	Compliant - since 1248 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
Product environmental profile	Available

Product end of life instructions	Available
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Contractual warranty

Warranty period	18 months 18 months
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