



Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX250B
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	B (25 kA) AC
Breaking capacity	25 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 15 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 15 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 20 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 25 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 40 kA 220/240 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 5.2 A
Trip unit technology	Electronic
Trip unit protection functions	LSI
Trip unit rating	160 A (40 °C)
Protection type	Overload protection (long time) L

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

Instantaneous short-circuit protection I
Short time short-circuit protection S

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	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 90 % I _r LED 105 % I _r LED ready
Long time pick-up adjustment type I _r	Adjustable
Long time pick-up adjustment range	63...160 A
Long time delay adjustment type	Adjustable
[T _r] long-time delay adjustment range	15...400 s 1.5 x I _r 0.35...11 s 7.2 x I _r 0.5...16 s 6 x I _r
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I _{sd}	Adjustable
[I _{sd}] short-time pick-up adjustment range	1.5...10 x I _r
Short-time delay adjustment type	Adjustable
[T _{sd}] short-time delay adjustment range	0...0.4 s
Instantaneous pick-up adjustment type I _i	Adjustable
Instantaneous pick-up adjustment range	1.5...12 x I _n
Zone selective interlocking ZSI	With
Communication of data	Energy metering Protection and alarm settings Maintenance indicators Instantaneous and demand values Maximeters/minimeters Time-stamped histories and event tables Power quality Demand current and power
Display type	LCD display
Type of measurement	Ammeter
Electrical data recording	Maintenance indicators
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	Marine

CCC
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

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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