



## Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX250F
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	250 A ( 104 °F (40 °C) )
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
System Voltage	690 V AC 50/60 Hz
Breaking capacity code	F
Breaking capacity	15 kA at 600 V AC 50/60 Hz conforming to UL 508 35 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 8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 22 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 30 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 8 kA 660/690 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 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	200 A ( 104 °F (40 °C) )
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60664-1

## Complementary

Control type	Toggle
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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	1.38 in (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 range	15 s 6 x Ir 120...400 s 1.5 x In
Short-time pick-up adjustment type Isd	Adjustable
[Isd] short-time pick-up adjustment range	5...10 x In
Short-time delay adjustment type	Fixed
Height	6.34 in (161 mm)
Width	4.13 in (105 mm)
Depth	3.39 in (86 mm)
Product weight	5.29 lb(US) (2.4 kg)

## Environment

overvoltage category	Class II
electrical shock protection class	Class II
standards	EN/IEC 60947 UL 508
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	-31...158 °F (-35...70 °C)
ambient air temperature for storage	-67...185 °F (-55...85 °C)

## Offer Sustainability

Green Premium product	Green Premium product
Compliant - since 0819 - Schneider Electric declaration of conformity	Compliant - since 0819 - Schneider Electric declaration of conformity
Reference not containing SVHC above the threshold	Reference not containing SVHC above the threshold
Available	Available
Available	Available