



### Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker with Vigi add-on
Device short name	VigiCompact NSX100F
Device application	Distribution
Poles description	4P
Protected poles description	3t
Neutral position	Left
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	440 V AC 50/60 Hz
Breaking capacity code	F (36 kA) AC
Breaking capacity	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 25 kA Icu at 500 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 10 kA at 600 V AC 50/60 Hz conforming to UL 508 25 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
[Ics] rated service breaking capacity	Ics 11 kA 525 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 4 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 Ics 12.5 kA 500 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

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

Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Trip unit rating	16 A ( 40 °C )
Protection type	Overload protection (thermal) L Short-circuit protection (magnetic) I
Earth-leakage add-on module name	MH
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 30000 cycles 440 V In conforming to IEC 60947-2 50000 cycles 440 V In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Neutral protection setting	No protection 3t
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 I <sub>sd</sub>	Fixed
[I <sub>sd</sub> ] short-time pick-up adjustment range	190 A
Short-time delay adjustment type	Fixed
Earth-leakage protection class	Class A
Earth-leakage protection	With
Residual earth-leakage sensitivity adjustment type	Adjustable 5 settings
[I $\Delta$ n] residual earth-leakage sensitive adjustment	0.03...10 A
Residual earth-leakage time delay adjustment type	Adjustable 4 settings
Height	236 mm
Width	140 mm
Depth	86 mm
Product weight	2.4 kg

## Environment

Overvoltage category	Class II
Electrical shock protection class	Class II
Standards	EN/IEC 60947 UL 508
Product certifications	EAC Marine CCC
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262

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Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

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### Offer Sustainability

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Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0839 - Schneider Electric declaration of conformity <a href="#">Schneider Electric declaration of conformity</a>
REACH	Reference not containing SVHC above the threshold <a href="#">Reference not containing SVHC above the threshold</a>
Product environmental profile	Available
Product end of life instructions	Available

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### Contractual warranty

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Warranty period	18 months
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