



## Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker with Vigi add-on
Device short name	VigiCompact NSX250F
Device application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	250 A at 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 415 V AC
Breaking capacity	85 kA at 240 V AC 50/60 Hz conforming to UL 508 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 8 kA Icu at 660/690 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 35 kA at 480 V AC 50/60 Hz conforming to UL 508 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 15 kA at 600 V AC 50/60 Hz conforming to UL 508
[Ics] rated service breaking capacity	35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 8 kA at 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

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	Micrologic 2.2
Trip unit technology	Electronic
Trip unit protection functions	LSol
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	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 <sub>r</sub> LED 90 % I <sub>r</sub> LED ready
Protection type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection
Trip unit rating	250 A at 40 °C
Long time pick-up adjustment type I <sub>r</sub>	Adjustable 9 settings
Long time pick-up adjustment range	0.9...1 x I <sub>o</sub>
Long time delay adjustment type	Fixed
[Tr] long-time delay adjustment range	11 s at 7.2 x I <sub>r</sub> 16 s at 6 x I <sub>r</sub> 400 s at 1.5 x I <sub>r</sub>
Thermal memory	20 minutes before and after tripping
Short-time pick-up adjustment type I <sub>sd</sub>	Adjustable 9 settings
[I <sub>sd</sub> ] short-time pick-up adjustment range	1.5...10 x I <sub>r</sub>
Short-time delay adjustment type	Fixed
Instantaneous pick-up adjustment type I <sub>i</sub>	Fixed
Instantaneous pick-up adjustment range	3000 A
Earth-leakage protection class	Class A
Earth-leakage protection	With
Residual earth-leakage sensitivity adjustment type	Adjustable 5 settings
[IΔn] residual earth-leakage sensitive adjustment	0.03...10 A
Residual earth-leakage time delay adjustment type	Adjustable 4 settings
Height	236 mm
Width	105 mm
Depth	86 mm
Product weight	2.4 kg
Compatibility code	NSX250

## Environment

Overvoltage category	Class II
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Electrical shock protection class	Class II
Standards	EN/IEC 60947 UL 508
Product certifications	Marine EAC CCC
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
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

### Contractual warranty

Warranty	18 months
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