

# Product data sheet

Specifications



circuit breaker, VigiComPact  
NSX250F, 36kA at 415VAC, TM-D  
trip unit, 125A, add-on Vigi MH  
module, 4P 4d

LV431953

! Discontinued

! Discontinued on: Mar 30, 2022

## Main

Range	ComPact
Product Name	ComPact NSX
Range Of Product	ComPact NSX100...250
Device Short Name	VigiCompact NSX250F
Product Or Component Type	Circuit breaker with Vigi add-on
Device Application	Distribution
Number Of Poles	4P
Protected Poles Description	4t
Neutral Position	Left
[In] Rated Current	125 A at 40 °C
[Ue] Rated Operational Voltage	440 V AC 50/60 Hz
Network Type	AC
Network Frequency	50/60 Hz
Suitability For Isolation	Yes conforming to EN/IEC 60947-2
Utilisation Category	Category A
[Icu] Rated Ultimate Short-Circuit 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
Performance Level	F 36 kA 415 V AC
Trip Unit Name	TM-D
Trip Unit Technology	Thermal-magnetic
Trip Unit Protection Functions	LI
Control Type	Toggle
Circuit Breaker Mounting Mode	Fixed

## Complementary

[Ui] Rated Insulation Voltage	800 V AC 50/60 Hz
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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

<b>[Uimp] Rated Impulse Withstand Voltage</b>	8 kV
<b>[Ics] Rated Service Short-Circuit Breaking Capacity</b>	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
<b>Mechanical Durability</b>	20000 cycles
<b>Electrical Durability</b>	5000 cycles at 690 V In 10000 cycles at 690 V In/2 10000 cycles at 440 V In 20000 cycles at 440 V In/2
<b>Mounting Support</b>	Backplate
<b>Upside Connection</b>	Front
<b>Downside Connection</b>	Front
<b>Connection Pitch</b>	35 mm
<b>Protection Type</b>	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
<b>Trip Unit Rating</b>	125 A at 40 °C
<b>Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)</b>	Adjustable
<b>[Ir] Long-Time Protection Pick-Up Adjustment Range</b>	0.7...1 x In
<b>Long-Time Protection Delay Adjustment Type Tr</b>	Fixed
<b>[Tr] Long-Time Protection Delay Adjustment Range</b>	120...400 s at 1.5 x In 15 s at 6 x Ir
<b>Short-Time Protection Pick-Up Adjustment Type Isd</b>	Fixed
<b>[Isd] Short-Time Protection Pick-Up Adjustment Range</b>	1250 A
<b>Short-Time Protection Delay Adjustment Type Tsd</b>	Fixed
<b>Earth-Leakage Protection</b>	With
<b>Earth-Leakage Add-On Module Name</b>	MH
<b>Earth-Leakage Protection Class</b>	Class A
<b>Earth-Leakage Protection Sensitivity Adjustment Type I<sub>Δn</sub></b>	Adjustable 5 settings
<b>[I<sub>Δn</sub>] Earth-Leakage Protection Sensitivity Adjustment Range</b>	0.03...10 A
<b>Earth-Leakage Protection Time Delay Adjustment Type Δt</b>	Adjustable 4 settings
<b>Neutral Protection Settings</b>	1 x Ir (4t)
<b>Number Of Slots For Electrical Auxiliaries</b>	6 slot(s)
<b>Width (W)</b>	140 mm
<b>Height (H)</b>	236 mm
<b>Depth (D)</b>	86 mm
<b>Net Weight</b>	2.8 kg

## Environment

<b>Standards</b>	EN/IEC 60947
<b>Product Certifications</b>	CCC EAC Marine

Overvoltage Category	Class II
Electrical Shock Protection Class	Class II
Pollution Degree	3 conforming to IEC 60664-1
Ip Degree Of Protection	IP40 conforming to IEC 60529
Ik Degree Of Protection	IK07 conforming to IEC 62262
Ambient Air Temperature For Operation	-25...70 °C
Ambient Air Temperature For Storage	-50...85 °C
Relative Humidity	0...95 %
Operating Altitude	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	14.5 cm
Package 1 Width	19 cm
Package 1 Length	29.19 cm
Package 1 Weight	3.977 kg

## Contractual warranty

Warranty	18 months
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## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

✓ Pvc Free

## Certifications & Standards

**Eu Rohs Directive** Compliant  
[EU RoHS Declaration](#)

**China Rohs Regulation** [China RoHS declaration](#)  
Product out of China RoHS scope. Substance declaration for your information