

circuit breaker, VigiComPact NSX100F, 36kA at 415VAC, TM-D trip unit, 80A, add-on Vigi MH module, 4P 3d

LV429941

(!) Discontinued on: Mar 30, 2022

(!) Discontinued

Main

Range	ComPact	
Product Name	ComPact NSX	
Range Of Product	ComPact NSX100250	
Device Short Name	VigiCompact NSX100F	
Product Or Component Type	Circuit breaker with Vigi add-on	
Device Application	Distribution	
Number Of Poles	4P	
Protected Poles Description	3t	
Neutral Position	Left	
[In] Rated Current	80 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	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 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 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	
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

[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ics] Rated Service Short-Circuit Breaking Capacity	11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 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 4 kA at 660/690 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 12.5 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	50000 cycles
Electrical Durability	10000 cycles at 690 V In 20000 cycles at 690 V In/2 30000 cycles at 440 V In 50000 cycles at 440 V In/2
Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Connection Pitch	35 mm
Protection Type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip Unit Rating	80 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable
[Ir] Long-Time Protection Pick-Up Adjustment Range	0.71 x ln
Long-Time Protection Delay Adjustment Type Tr	Fixed
[Tr] Long-Time Protection Delay Adjustment Range	120400 s at 1.5 x In 15 s at 6 x Ir
Short-Time Protection Pick-Up Adjustment Type Isd	Fixed
[Isd] Short-Time Protection Pick- Up Adjustment Range	640 A
Short-Time Protection Delay Adjustment Type Tsd	Fixed
Earth-Leakage Protection	With
Earth-Leakage Add-On Module Name	МН
Earth-Leakage Protection Class	Class A
Earth-Leakage Protection Sensitity Adjustment Type lōn	Adjustable 5 settings
[lõn] Earth-Leakage Protection Sensitivity Adjustment Range	0.0310 A
Earth-Leakage Protection Time Delay Adjustement Type ∆t	Adjustable 4 settings
Neutral Protection Settings	No protection (3t)
Number Of Slots For Electrical Auxiliaries	6 slot(s)
Width (W)	140 mm
Height (H)	236 mm
Depth (D)	86 mm
Net Weight	2.4 kg

Environment

Standards	EN/IEC 60947
Product Certifications	ccc
	EAC
	Marine

Overvoltage Category	Class II	
Electrical Shock Protection Class	s 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	-2570 °C	
Ambient Air Temperature For Storage	-5085 °C	
Relative Humidity	095 %	
Operating Altitude	02000 m without derating 2000 m5000 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	28.79 cm
Package 1 Weight	3.703 kg

Contractual warranty

Warranty 18 months

Sustainability

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

Learn more about Green Premium >

Guide to assess a product's sustainability >



RoHS/REACh

Well-being performance

\bigcirc	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