LV433829

circuit breaker ComPact NSX160F, 36 kA at 415 VAC, MicroLogic 4.2 Vigi trip unit 160 A, 3 poles 3d





Main

Product name ComPact NSX Range of product ComPact NSX100250 Device short name VigiCompact NSX160F Product or component type Device application Distribution Number of poles 3P Protected poles description [In] rated current 160 A at 40 °C [Ue] rated operational voltage 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 36 KA Icu at 220/240 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 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit technology Electronic Trip unit protection functions Control type Toggle Circuit breaker mounting mode	Range	ComPact
Device short name Product or component type Device application Number of poles Protected poles description [In] rated current [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category Category A [Icu] rated ultimate short-circuit breaking capacity For each of the short and the short and the short and the short are applied to the following to the short and the short	Product name	ComPact NSX
Product or component type Device application Number of poles 3P Protected poles description [In] rated current [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category [Icu] rated ultimate short-circuit breaking capacity F 36 KA Icu at 220/240 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 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit protection functions Control type Toggle Circuit breaker Fixed	Range of product	ComPact NSX100250
Device application Distribution Number of poles 3P Protected poles description [In] rated current I60 A at 40 °C [Ue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category Category A [Icu] rated ultimate short-circuit breaking capacity AS KA Icu at 220/240 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 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit protection functions Control type Toggle Circuit breaker Tripudit make Tixed	Device short name	VigiCompact NSX160F
Number of poles 3P Protected poles description [In] rated current 160 A at 40 °C [Ue] rated operational voltage 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 36 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit technology Electronic Trip unit protection functions Control type Toggle Circuit breaker Fixed	•	Earth leakage circuit breaker
Protected poles description [In] rated current [In] rated current [Iue] rated operational voltage Network type AC Network frequency Suitability for isolation Utilisation category [Icu] rated ultimate short-circuit breaking capacity Performance level Trip unit name Control type Circuit breaker Tipunit protection functions IEO A at 40 °C 440 V AC 50/60 Hz Control type AC AC Network frequency 50/60 Hz Sol/60 Hz Sol/60 Hz conforming to EN/IEC 60947-2 36 KA Icu at 220/240 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 Trip unit technology Electronic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Device application	Distribution
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[Ue] rated operational voltage 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 36 KA Icu at 220/240 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 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit technology Electronic Trip unit protection functions Control type Toggle Circuit breaker Fixed	•	3t
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 IEC 60947-2 36 KA Icu at 380/415 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 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit technology Electronic Trip unit protection functions Control type Toggle Circuit breaker Fixed	[In] rated current	160 A at 40 °C
Network frequency Suitability for isolation Ves conforming to EN/IEC 60947-2 Utilisation category [Icu] rated ultimate short-circuit breaking capacity B5 KA Icu at 220/240 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 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 Trip unit name Micrologic 4.2 Trip unit technology Electronic Trip unit protection functions Control type Toggle Circuit breaker Fixed		440 V AC 50/60 Hz
Suitability for isolation Yes conforming to EN/IEC 60947-2 Utilisation category [Icu] rated ultimate short-circuit breaking capacity Separate S	Network type	AC
Utilisation category [Icu] rated ultimate short-circuit breaking capacity 85 KA Icu at 220/240 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 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit technology Trip unit protection functions Control type Toggle Circuit breaker Fixed	Network frequency	50/60 Hz
[Icu] rated ultimate short-circuit breaking capacity 85 KA Icu at 220/240 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 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit technology Electronic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Suitability for isolation	Yes conforming to EN/IEC 60947-2
short-circuit breaking capacity IEC 60947-2 36 KA Icu at 380/415 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 Performance level F 36 kA 415 V AC Trip unit name Micrologic 4.2 Trip unit technology Electronic Trip unit protection functions Control type Toggle Circuit breaker Fixed	Utilisation category	Category A
Trip unit name Micrologic 4.2 Trip unit technology Electronic Trip unit protection LSoIR functions Control type Toggle Circuit breaker Fixed	short-circuit breaking	IEC 60947-2 36 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC
Trip unit technology Electronic Trip unit protection tunctions Control type Toggle Circuit breaker Fixed	Performance level	F 36 kA 415 V AC
Trip unit protection functions Control type Circuit breaker Toggle Toggle	Trip unit name	Micrologic 4.2
functions Control type Toggle Circuit breaker Fixed	Trip unit technology	Electronic
Circuit breaker Fixed		LSoIR
	Control type	Toggle
		Fixed

Complementary

[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[lcs] rated service short-circuit breaking capacity	85 KA at 220/240 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 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	40000 cycles
Electrical durability	20000 Cycles at 440 V In 40000 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 (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection
Trip unit rating	160 A at 40 °C

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. This documentation is not integrated to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	63160 A
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	11 S at 7.2 x lr 16 S at 6 x lr 400 s at 1.5 x lr
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type Isd	Adjustable
[Isd] Short-time protection pick-up adjustment range	1.510 x lr
Short-time protection delay adjustment type tsd	Fixed
[tsd] Short-time protection delay adjustment range	0.02 s
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	2400 A
Earth-leakage protection	Integrated
Earth-leakage protection class	Class A
Earth-leakage protection sensitity adjustment type I∆n	Adjustable
[IΔn] earth-leakage protection sensitivity adjustment range	30 MA 100 MA 300 MA 500 MA 1 A 3 A 5 A
Earth-leakage protection specific mode	OFF using the l∆n rotary switch
Earth-leakage protection time delay adjustement type Δt	Adjustable
[Δt] Earth-leakage protection time delay adjustment range	0 Ms 60 Ms 150 Ms 500 Ms 1 s
Number of slots for electrical auxiliaries	5 slot(s)
Local signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.05 kg

Environment

CCC EAC Marine
Maine
Class II
Class II
3 conforming to IEC 60664-1
IP40 conforming to IEC 60529
IK07 conforming to IEC 62262
-2570 °C
-4085 °C
095 %
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 Weight	2 kg	
Package 1 Height	11.5 cm	
Package 1 width	13.5 cm	
Package 1 Length	19 cm	
Unit Type of Package 2	S03	
Number of Units in Package 2	6	
Package 2 Weight	13 kg	
Package 2 Height	30 cm	
Package 2 width	30 cm	
Package 2 Length	40 cm	

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EEU RoHS Declaration
Mercury free	Yes
RoHS exemption information	₫Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
PVC free	Yes

Contractual warranty

Warranty	18 months