

Product data sheet

Specifications



Circuit breaker, VigiComPact
NSX160B, 25kA/415VAC, TM-D trip
unit 80A, add-on Vigi MH module,
4P 3d

LV430353

⚠ Discontinued on: Jul 12, 2021

⚠ Discontinued

Main

Range	ComPact
Product name	ComPact NSX
Range of Product	ComPact NSX100...250
Device short name	VigiCompact NSX160B
Product or Component Type	Circuit breaker with Vigi add-on
Device Application	Distribution
Number of poles	4P
Protected poles description	3t
Neutral position	Left
Line Rated Current	80 A 104 °F (40 °C)
[Ue] rated operational voltage	440 V AC 50/60 Hz
Network type	AC
Network Frequency	50/60 Hz
Suitability for isolation	Yes EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	15 kA Icu 500 V AC 50/60 Hz IEC 60947-2 20 kA Icu 440 V AC 50/60 Hz IEC 60947-2 25 kA Icu 380/415 V AC 50/60 Hz IEC 60947-2 40 kA Icu 220/240 V AC 50/60 Hz IEC 60947-2
Performance level	B 25 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	20 kA 440 V AC 50/60 Hz IEC 60947-2 25 kA 380/415 V AC 50/60 Hz IEC 60947-2 40 kA 220/240 V AC 50/60 Hz IEC 60947-2 15 kA 500 V AC 50/60 Hz IEC 60947-2

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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

Mechanical durability	40000 cycles
Electrical durability	7500 cycles 690 V In 15000 cycles 690 V In/2 20000 cycles 440 V In 40000 cycles 440 V In/2
Mounting Support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	1.4 in (35 mm)
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	80 A 104 °F (40 °C)
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.7...1 x In
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	120...400 s 1.5 x In 15 s 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	MH
Earth-leakage protection class	Class A
Earth-leakage protection sensitivity adjustment type IΔn	Adjustable 5 settings
[IΔn] earth-leakage protection sensitivity adjustment range	0.03...10 A
Earth-leakage protection time delay adjustment type Δt	Adjustable 4 settings
Neutral protection settings	No protection 3t)
Number of slots for electrical auxiliaries	6
Width (W)	5.5 in (140 mm)
Height (H)	9.3 in (236 mm)
Depth (D)	3.4 in (86 mm)
Net Weight	5.7 lb(US) (2.6 kg)

Environment

Standards	EN/IEC 60947
Product Certifications	CCC EAC Marine
Overvoltage category	Class II
Electrical shock protection class	Class II
Pollution degree	3 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	-13...158 °F (-25...70 °C)
Ambient Air Temperature for Storage	-58...185 °F (-50...85 °C)
Relative humidity	0...95 %
Operating altitude	0...6561.68 ft (0...2000 m) without derating 2000 m...5000 m with derating

Ordering and shipping details

GTIN	3606480009778
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Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1

Contractual warranty

Warranty (in months)	18
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Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.