

Product datasheet

Specifications



circuit breaker ComPacT NSXm B (25 kA at 415 VAC), 3P 3d, 125 A rating TMD trip unit, EverLink connectors

C12B3TM125L

EAN Code: 3606481990044

Main

Range	ComPacT new generation
Product name	ComPacT NSXm new generation
Range of product	ComPacT NSXm new generation
Device short name	NSXm 160B
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Protected poles description	3D
[In] rated current	125 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	50 kA Icu at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA Icu at 440 V AC 50/60 Hz conforming to 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	50 kA at 220...240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 380...415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	20000 cycles

Electrical durability	20000 cycles at 440 V In/2 10000 cycles at 440 V In 10000 cycles at 690 V In/2 5000 cycles at 690 V In
Power dissipation per pole	9.64 W
Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection terminals	1 Everlink lug wire size 2.5...70 mm ² , flexible copper 1 Everlink lug wire size 2.5...95 mm ² , rigid or stranded copper
Connection pitch	35 mm with spreaders 27 mm without spreaders
9 mm pitches	9 module
Trip unit rating	125 A at 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
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	1250 A
Earth-leakage protection	Without
Number of slots for electrical auxiliaries	1 slot(s) for auxiliary switch OF 1 slot(s) for alarm switch SD 1 slot(s) for voltage release MN or MX
Local signalling	Flag (green) for presence of auxiliary contacts
Width (W)	81 mm
Height (H)	137 mm
Depth (D)	80 mm
Net weight	1.06 kg
Colour	Grey (RAL 7016)

Environment

Standards	EN/IEC 60947
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	2000 m without derating 5000 m with derating

Packing Units

Unit Type of Package 1	PCE
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Number of Units in Package 1	1
Package 1 Height	12.0 cm
Package 1 Width	9.0 cm
Package 1 Length	21.0 cm
Package 1 Weight	1.208 kg
Unit Type of Package 2	S03
Number of Units in Package 2	9
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	11.258 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-CO₂ products.

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 >](#)



Transparency RoHS/REACH

Well-being performance

 Mercury Free

 RoHS Exemption Information Yes

Certifications & Standards

Reach Regulation

[REACH Declaration](#)

Eu RoHS Directive

Compliant with Exemptions

China RoHS Regulation

[China RoHS declaration](#)

Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure

[Product Environmental Profile](#)

Circularity Profile

No need of specific recycling operations

Offer Marketing Illustration

Product benefits / Features

CompacT NSX

Technical Benefits



- Come in one size and are optimized for small spaces.
- 3 or 4 pole versions
- Rated currents: 16 to 160 A
- Thermal-magnetic protections
- Breaking capacities under 240/415 V 16, 25, 36, 50, 70 kA
- Integrated earth leakage protection via MicroLogic Vigi (earth leakage circuit breaker - ELCB)
- EverLink™ connectors for bare cables

Offer Marketing Illustration

Product benefits / Features

CompacT NSXm

Moulded Case Circuit Breaker

Efficiency



It features integrated earth leakage protection and standardized accessories – which means you save space, time, and effort.

Reliability



optimized in size and featuring innovations tailored to your needs. Roto-active™ breaking technology helps to increase operation lifespan.



Connectivity



Designed to connect to EcoStruxure Power, an IoT-connected architecture for improving every aspect of your power distribution system.

Offer Marketing Illustration

Product benefits / Features

**CompacT NSXm**
Range AccessoriesWireless
indication auxiliaryLong terminal
shieldStandard
auxiliary contact

Rotary handles



Inter-phase barrier

Toggle padlocking
deviceMN undervoltage
releaseStandard MX shunt
release

Offer Marketing Illustration

Product benefits / Features

CompacT NSXm

Technical Features

