Product data sheet

Specifications





Circuit breaker ComPacT NSXm B (25kA at 415VAC), 4 Poles 3d, 160A rating TMD trip unit, compression lugs and busbar connectors

C12B6TM160B

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	4P
Protected Poles Description	3D
Neutral Position	Left
[In] Rated Current	160 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 lcu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA lcu at 380415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA lcu 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

Mechanical Durability	20000 cycles
[Ics] Rated Service Short-Circuit Breaking Capacity	50 kA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV
[Ui] Rated Insulation Voltage	800 V AC 50/60 Hz

List Price displayed is VAT EXCLUSIVE.

Electrical Durability	20000 cycles at 440 V ln/2 10000 cycles at 440 V ln 10000 cycles at 690 V ln/2 5000 cycles at 690 V ln	
Power Dissipation Per Pole	12.21 W	
Mounting Support	Backplate	
Mounting Position	Horizontal and vertical Flat on the back	
Upside Connection	Front	
Downside Connection	Front	
Connection Terminals	compression lug/busbar	
Connection Pitch	35 mm with spreaders 27 mm without spreaders	
9 Mm Pitches	12 module	
Trip Unit Rating	160 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	
Neutral Protection Settings	No protection (3D)	
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)	108 mm	
Height (H)	137 mm	
Depth (D)	80 mm	
Net Weight	1.42 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	-2570 °C	
Ambient Air Temperature For Storage	-5085 °C	
Relative Humidity	095 %	
Operating Altitude	2000 m without derating 5000 m with derating	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	12.0 cm
Package 1 Width	11.5 cm
Package 1 Length	21.0 cm
Package 1 Weight	1.386 kg
Unit Type Of Package 2	\$03
Number Of Units In Package 2	6
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8.71 kg

Sustainability Screen

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.





RoHS/REACh

Well-being performance

Mercury Free	
Rohs Exemption Information	Yes
Halogen Free Plastic Parts Product	

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant
	EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
	Product out of China RoHS scope. Substance declaration for your information
Circularity Profile	No need of specific recycling operations