Product data sheet

Specifications





Circuit breaker ComPacT NSXm F (36kA at 415VAC), 3 Poles 3d, 125A rating TMD trip unit, compression lugs and busbar connectors

C12F3TM125B

Main

Range	ComPacT new generation	
Product Name	ComPacT NSXm new generation	
Range Of Product	ComPacT NSXm new generation	
Device Short Name	NSXm 160F	
Product Or Component Type	Circuit breaker	
Device Application	Distribution	
oles 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	85 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA Icu at 380415 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	TM-D	
Trip Unit Technology	Thermal-magnetic	
Trip Unit Protection Functions	Ц	
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	85 kA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 36 kA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical Durability	20000 cycles

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	9.64 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	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	0.71 x ln	
Long-Time Protection Delay Adjustment Type Tr	Fixed	
Instantaneous Protection Pick-Up Adjustment Type Ii	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	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	8.1 cm
Package 1 Width	13.7 cm
Package 1 Length	8 cm
Package 1 Weight	1.156 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	9
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	12.29 kg
Unit Type Of Package 3	P12
Number Of Units In Package 3	216
Package 3 Height	150 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	304.89 kg



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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