

C25B3TM250

Circuit breaker, ComPacT NSX250B,
25kA/415VAC, 3 poles, TMD trip unit 250A



Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX250B
Product or Component Type	Circuit breaker
Device Application	Distribution
Poles description	3P
Protected poles description	3D
Line Rated Current	250 A 104 °F (40 °C)
[Ue] rated operational voltage	690 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	40 KA Icu 220/240 V AC 50/60 Hz IEC 60947-2 25 KA Icu 380/415 V AC 50/60 Hz IEC 60947-2 20 KA Icu 440 V AC 50/60 Hz IEC 60947-2 15 kA Icu 500 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	40 KA 220/240 V AC 50/60 Hz IEC 60947-2 25 KA 380/415 V AC 50/60 Hz IEC 60947-2 20 KA 440 V AC 50/60 Hz IEC 60947-2 15 kA 500 V AC 50/60 Hz IEC 60947-2
Mechanical durability	20000 cycles
Electrical durability	20000 Cycles 440 V In/2 10000 Cycles 440 V In 10000 Cycles 690 V In/2 5000 cycles 690 V In
Power dissipation per pole	18.75 W
Mounting Support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection pitch	1.38 in (35 mm)
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)

Trip unit rating	250 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
Instantaneous protection pick-up adjustment type li	Adjustable
[li] instantaneous protection pick-up adjustment range	5...10 x In
Earth-leakage protection	Without
Number of slots for electrical auxiliaries	5
Width (W)	4.13 in (105 mm)
Height (H)	6.34 in (161 mm)
Depth (D)	3.39 in (86 mm)
Net Weight	5.29 lb(US) (2.4 kg)

Environment

Standards	EN/IEC 60947
Product Certifications	CCC[RETURN]EAC[RETURN]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

Category	US10DE201101
Discount Schedule	0DE2
GTIN	3606481996282
Returnability	No
Country of origin	PL

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.51 in (14.000 cm)
Package 1 Width	4.33 in (11.000 cm)
Package 1 Length	7.48 in (19.000 cm)
Package 1 Weight	4.19 lb(US) (1.900 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	31.73 lb(US) (14.394 kg)

Offer Sustainability

Sustainable offer status	Green Premium product
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov
REACH Regulation	REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End Of Life Information
PVC free	Yes