

Product Datasheet

Characteristic

C16B3TM125

Circuit breaker, ComPacT NSX160B,
25kA/415VAC, 3 poles, TMD trip unit
125A



Main

range	ComPacT new generation
product name	ComPacT NSX new generation
device short name	NSX160B
Product or Component Type	Circuit breaker
Device Application	Distribution
poles description	3P
protected poles description	3D
Line Rated Current	125 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
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
Breaking capacity code	B 25 kA 415 V AC
trip unit name	TM-D
trip unit technology	Thermal-magnetic
trip unit protection functions	LI
Control Type	Toggle
Mounting Mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ics] rated service 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	40000 cycles
electrical durability	40000 cycles 440 V In/2

	20000 cycles 440 V In 15000 cycles 690 V In/2 7500 cycles 690 V In
power dissipation per pole	10.78 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	Overload protection (thermal) Short-circuit protection (magnetic)
trip unit rating	125 A 104 °F (40 °C)
long time pick-up adjustment type Ir	Adjustable
long time pick-up adjustment range	0.7...1 x In
long time delay adjustment type	Fixed
[tr] long-time delay adjustment range	120..400 s 1.5 x In 15 s 6 x Ir
instantaneous pick-up adjustment type li	Fixed
instantaneous pick-up adjustment range	1250 A
earth-leakage protection	Without
number of slots	5
Width	4.13 in (105 mm)
Height	6.34 in (161 mm)
Depth	3.39 in (86 mm)
Net Weight	4.85 lb(US) (2.2 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 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

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	Product out of China RoHS scope. Substance declaration for your information.
Environmental Disclosure	ENVPEP2107006EN
Circularity Profile	ENVEOLI2107006EN
PVC free	Yes