

C16F3TM160

Circuit breaker, ComPacT NSX160F,
36kA/415VAC, 3 poles, TMD trip unit 160A



Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX160F
Product or Component Type	Circuit breaker
Device Application	Distribution
Poles description	3P
Protected poles description	3D
Line Rated Current	160 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	85 KA Icu 220/240 V AC 50/60 Hz IEC 60947-2 36 KA Icu 380/415 V AC 50/60 Hz IEC 60947-2 35 KA Icu 440 V AC 50/60 Hz IEC 60947-2 30 KA Icu 500 V AC 50/60 Hz IEC 60947-2 22 KA Icu 525 V AC 50/60 Hz IEC 60947-2 8 KA Icu 660/690 V AC 50/60 Hz IEC 60947-2 35 kA 480 V AC 50/60 Hz UL 508
Performance level	F 36 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	85 KA 220/240 V AC 50/60 Hz IEC 60947-2 36 KA 380/415 V AC 50/60 Hz IEC 60947-2 35 KA 440 V AC 50/60 Hz IEC 60947-2 30 KA 500 V AC 50/60 Hz IEC 60947-2 22 KA 525 V AC 50/60 Hz IEC 60947-2 8 kA 660/690 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
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	160 A 104 °F (40 °C)
Long-time pick-up adjustment type I _r (thermal protection)	Adjustable
[I _r] long-time protection pick-up adjustment range	0.7...1 x I _n
Long-time protection delay adjustment type t _r	Fixed
[t _r] long-time protection delay adjustment range	120...400 S 1.5 x I _n 15 s 6 x I _r
Instantaneous protection pick-up adjustment type I _i	Fixed
[I _i] instantaneous protection pick-up adjustment range	1250 A
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	4.85 lb(US) (2.2 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	3606481997104
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 (14.0 cm)
Package 1 Width	4.53 in (11.5 cm)
Package 1 Length	7.48 in (19.0 cm)
Package 1 Weight	4.03 lb(US) (1.83 kg)
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	29.10 lb(US) (13.198 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