

C16F3

Circuit breaker basic frame, ComPacT
NSX160F, 36kA at 415VAC 50/60 Hz, 160A,
without trip unit, 3 poles



Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX160F
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	160 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	10 KA at 600 V AC 50/60 Hz conforming to UL 508 85 KA at 240 V AC 50/60 Hz conforming to UL 508 22 KA lcu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 KA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 8 KA lcu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 85 KA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 35 KA at 480 V AC 50/60 Hz conforming to UL 508 30 ka lcu at 500 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	F 36 kA 415 V AC
Control type	Toggle
Mounting mode	Fixed

Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service short-circuit breaking capacity	35 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 36 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 22 KA at 525 V AC 50/60 Hz conforming to IEC 60947-2 30 KA at 500 V AC 50/60 Hz conforming to IEC 60947-2 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	40000 cycles conforming to IEC 60947-2
Electrical durability	40000 Cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 15000 Cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 20000 Cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 7500 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Protection type	Without protection

Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm

Environment

Standards	EN/IEC 60947-2 UL 508
Product certifications	UL[RETURN]CSA
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	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	14 cm
Package 1 Width	11.2 cm
Package 1 Length	19.2 cm
Package 1 Weight	1.478 kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	10.764 kg
Unit Type of Package 3	P12
Number of Units in Package 3	56
Package 3 Height	42.5 cm
Package 3 Width	80 cm
Package 3 Length	120 cm
Package 3 Weight	99.5 kg

Offer Sustainability

Sustainable offer status	Green Premium product
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