

Product data sheet

Characteristics

C16B3

Circuit breaker basic frame, ComPacT
NSX160B, 25kA/415VAC, 3 poles, 160A frame
rating, without trip unit



Main

Range	ComPacT new generation
Product name	ComPacT NSX new generation
Device short name	NSX160B
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	15 KA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 KA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 KA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 40 KA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	B 25 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	20 KA at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 KA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 40 KA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 15 kA at 500 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 60947-4-1
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	14.000 cm
Package 1 Width	11.000 cm
Package 1 Length	19.500 cm
Package 1 Weight	1.494 kg
Unit Type of Package 2	S03
Number of Units in Package 2	7
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	10.924 kg
Unit Type of Package 3	P12
Number of Units in Package 3	56
Package 3 Height	42.000 cm
Package 3 Width	80.000 cm
Package 3 Length	120.000 cm
Package 3 Weight	99.000 kg

Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation	 China RoHS Declaration
Environmental Disclosure	 Product Environmental Profile
Circularity Profile	 End Of Life Information