



Main

Device short name	Compact NSX160F
Circuit breaker application	Motor protection
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	150 A (65 °C) 160 A (40 °C)
[Ui] rated insulation voltage	800 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV
[Ue] rated operational voltage	690 V AC 50/60 Hz
Circuit breaker rating code	F
Breaking capacity	Icu 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 22 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 Icu 8 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Icu 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Icu 36 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 35 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 35 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 20 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 85 kA at 240 V AC 50/60 Hz conforming to UL 508 35 kA at 480 V AC 50/60 Hz conforming to UL 508 10 kA at 600 V AC 50/60 Hz conforming to UL 508
[Ics] rated service breaking capacity	Ics 8 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2 Ics 22 kA 525 V AC 50/60 Hz conforming to IEC 60947-2 Ics 30 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 35 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 36 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 85 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to IEC 60947-2 Yes conforming to EN 60947-2
Utilisation category	Category A
Trip unit name	MA
Trip unit technology	Magnetic
Trip unit rating	150 A (65 °C)
Protection type	Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60947-1

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Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	40000 cycles
Electrical durability	10000 cycles 440 V In/2 conforming to IEC 60947-2 20000 cycles 440 V In conforming to IEC 60947-2 15000 cycles 690 V In/2 conforming to IEC 60947-2 7500 cycles 690 V In conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Short-time pick-up adjustment type Isd	Adjustable
[Isd] short-time pick-up adjustment range	9...14 x In
Height	161 mm
Width	105 mm
Depth	86 mm

Environment

Electrical shock protection class	Class II
Standards	EN 60947-2 IEC 60947-2 NEMA AB1 UL 508
Product certifications	CSA UL
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C
RoHS EUR conformity date	0819
RoHS EUR status	Compliant