

LV438720

circuit breaker Compact NSX160S - TMD - 160 A
- 2 poles 2d



Main

Range	Compact
Product name	Compact NSX
Product or component type	Circuit breaker
Device short name	Compact NSX160S
Device application	Distribution
Poles description	2P
Protected poles description	2t
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	150 A (65 °C) 160 A (40 °C)
[Ui] rated insulation voltage	750 V AC 50/60 Hz IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ue] rated operational voltage	500 V DC conforming to IEC 60947-2 690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	S (70 kA) AC
Breaking capacity	8 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 250 V DC 1P conforming to IEC 60947-2 100 kA Icu at 48/125 V DC 1P conforming to IEC 60947-2 100 kA Icu at 500 V DC 2P conforming to IEC 60947-2 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 22 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 35 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 600 V AC 50/60 Hz conforming to UL 508 35 kA at 480 V AC 50/60 Hz conforming to UL 508 100 kA at 240 V AC 50/60 Hz conforming to UL 508
[Ics] rated service breaking capacity	Ics 10 kA 600 V AC 50/60 Hz conforming to UL 508 Ics 100 kA 220/240 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 35 kA 480 V AC 50/60 Hz conforming to UL 508
 Ics 70 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2
 Ics 8 kA 660/690 V AC 50/60 Hz conforming to IEC 60947-2
 Ics 100 kA 240 V AC 50/60 Hz conforming to UL 508

Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Trip unit rating	160 A (40 °C)
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60947

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Auxiliary contact composition	Without
Mechanical durability	40000 cycles
Electrical durability	10000 cycles 440 V AC 50/60 Hz I _n conforming to IEC 60947-2 20000 cycles 440 V AC 50/60 Hz I _n /2 conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type I _r	Fixed
Long time pick-up adjustment range	0.8...1 x I _n
Long time delay adjustment type	Fixed
Instantaneous pick-up adjustment type I _i	Fixed
Instantaneous pick-up adjustment range	1250 A
Height	161 mm
Width	105 mm
Depth	86 mm

Environment

Standards	EN/IEC 60947
Product certifications	CCC Marine EAC
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0819 - Schneider Electric declaration of conformity Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available

Product end of life instructions	Available
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Contractual warranty

Warranty period	18 months 18 months
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