

LV429557

circuit breaker Compact NSX100B - TMD - 16 A - 3 poles 3d



Main

Circuit breaker name	Compact NSX100B
Device short name	Compact NSX100B
Circuit breaker application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	100 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
Rating code	B
Breaking capacity	20 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 40 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 Icu 15 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Icu 40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 20 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 25 kA 380/415 V AC 50/60 Hz conforming to IEC 60947-2 Ics 40 kA 220/240 V AC 50/60 Hz conforming to IEC 60947-2 Ics 7.5 kA 500 V AC 50/60 Hz conforming to IEC 60947-2
Suitability for isolation	Yes conforming to EN 60947-2 Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic
Trip unit rating	16 A (40 °C)
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60947-1

Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	50000 cycles
Electrical durability	10000 cycles 690 V In conforming to IEC 60947-2 20000 cycles 690 V In/2 conforming to IEC 60947-2 30000 cycles 440 V In conforming to IEC 60947-2 50000 cycles 440 V In/2 conforming to IEC 60947-2

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Connection pitch	35 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type I _r	Adjustable
Long time pick-up adjustment range	0.7...1 x I _n
Long time delay adjustment type	Fixed
[tr] long-time delay adjustment	15 s 6 x I _r 120...400 s 1.5 x I _n
Short-time pick-up adjustment type I _{sd}	Fixed
[I _{sd}] short-time pick-up adjustment range	190 A
Short-time delay adjustment type	Fixed
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