

LV438607

circuit breaker Compact NSX100M - TMD - 50 A - 2 poles 2d



Main

Device short name	Compact NSX100M
Circuit breaker application	Distribution
Poles description	2P
Protected poles description	2t
Network type	AC DC
Network frequency	50/60 Hz
[In] rated current	100 A (40 °C) 100 A (65 °C)
[Ui] rated insulation voltage	750 V AC 50/60 Hz conforming to 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	M
Breaking capacity	10 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 25 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 85 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC Icu 18 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 Icu 18 kA at 525 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 25 kA at 440 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 V AC 50/60 Hz conforming to IEC 60947-2 Icu 85 kA at 250 V DC 1P conforming to IEC 60947-2 Icu 85 kA at 48/125 V DC 1P conforming to IEC 60947-2 Icu 85 kA at 500 V DC 2P conforming to IEC 60947-2
[Ics] rated service breaking capacity	Ics 18 kA 500 V AC 50/60 Hz conforming to IEC 60947-2 Ics 18 kA 525 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 25 kA 440 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 85 kA 220 V AC 50/60 Hz conforming to IEC 60947-2 Ics 85 kA 240 V AC 50/60 Hz conforming to NEMA AB1 HIC Ics 10 kA 600 V AC 50/60 Hz conforming to NEMA AB1 HIC Ics 25 kA 480 V AC 50/60 Hz conforming to NEMA AB1 HIC
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
Trip unit name	TM-D
Trip unit technology	Thermal-magnetic

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Trip unit protection functions	LI
Trip unit rating	50 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
Mechanical durability	20000 cycles
Electrical durability	10000 cycles 277 V AC 50/60 Hz In conforming to IEC 60947-2 20000 cycles 277 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Magnetic tripping current	1000 A 1250 A 190 A 260 A 300 A 500 A 640 A 800 A
Long time pick-up adjustment type Ir	Fixed
Long time pick-up adjustment range	0.8...1 x In
Instantaneous pick-up adjustment type li	Fixed
Instantaneous pick-up adjustment range	500 A
Height	161 mm
Width	70 mm
Depth	86 mm

Environment

Standards	IEC 60947-2
Product certifications	ASEFA ASTA KEMA LCIE
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	3606480073854
RoHS	Compliant - since 1221 - Schneider Electric declaration of conformity