

# LV431110

## circuit breaker Compact NSX250B - TMD - 250 A - 3 poles 3d

### Main

Commercial Status	Commercialised
Range of product	NSX100...250
Product or component type	Circuit breaker
Circuit breaker name	Compact NSX250B
Device short name	Compact NSX250B
Circuit breaker application	Distribution
Poles description	3P
Protected poles description	3t
Network type	AC
Network frequency	50/60 Hz
[In] rated current	250 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
Breaking capacity code	B
Breaking capacity	Icu 40 kA at 220/240 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 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 Icu 15 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 40 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 20 kA at 480 V AC 50/60 Hz conforming to NEMA AB1
[Ics] rated service breaking capacity	Ics 40 kA 220/240 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 20 kA 440 V AC 50/60 Hz conforming to IEC 60947-2 Ics 15 kA 500 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	TM-D
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Trip unit rating	250 A ( 40 °C )
Protection type	Overload protection (thermal) Short-circuit protection (magnetic)
Pollution degree	3 conforming to IEC 60664-1

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## Complementary

Control type	Toggle
Mounting mode	Fixed
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Mechanical durability	20000 cycles
Electrical durability	5000 cycles 690 V In conforming to IEC 60947-2 20000 cycles 440 V In/2 conforming to IEC 60947-2 10000 cycles 690 V In/2 conforming to IEC 60947-2 10000 cycles 440 V In conforming to IEC 60947-2
Connection pitch	35 mm
Local signalling	Positive contact indication
Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.7...1 x In
Long time delay adjustment type	Fixed
[Tr] long-time delay adjustment	15 s 6 x Ir 120...400 s 1.5 x In
Short-time pick-up adjustment type Isd	Adjustable
[Isd] short-time pick-up adjustment range	5...10 x In
Short-time delay adjustment type	Fixed
Height	161 mm
Width	105 mm
Depth	86 mm
Product weight	2.4 kg

## 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
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-35...70 °C
Ambient air temperature for storage	-55...85 °C

## RoHS compliance

RoHS EUR status	Compliant
RoHS EUR conformity date(YYWW)	0819

## Contractual warranty

Period	18 months
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