LV429542

circuit breaker Compact NSX100B, 25 kA at 415 VAC, TMD trip unit 63 A, 3 poles 2d

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Main

- Range: Compact
- Product name: Compact NSX
- Product or component type: Circuit breaker
- Device short name: Compact NSX100B
- Device application: Distribution
- Poles description: 3P
- Protected poles description: 2t
- Network type: AC
- Network frequency: 50/60 Hz
- [In] rated current: 63 A at 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:
  - 15 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2
  - 20 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
  - 25 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
  - 40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
- [Ics] rated service breaking capacity:
  - 20 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
  - 25 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2
  - 40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
  - 7.5 kA at 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 protection functions: LI
- Pollution degree: 3 conforming to IEC 60664-1
## Complementary

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### 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

### Connection pitch

- 35 mm

### Local signalling

- Positive contact indication

### Protection type

- L: for overload protection (thermal)
- I: for short-circuit protection (magnetic)

### Trip unit rating

- 63 A at 40 °C

### Long time pick-up adjustment type

- lr: Adjustable

### Long time pick-up adjustment range

- 0.7...1 x In

### Long time delay adjustment type

- Fixed

### [Tr] long-time delay adjustment range

- 120…400 s at 1.5 x In
- 15 s at 6 x Ir

### Short-time pick-up adjustment type

- Isd: Fixed

### [Isd] short-time pick-up adjustment range

- 500 A

### Short-time delay adjustment type

- Fixed

### Height

- 161 mm

### Width

- 105 mm

### Depth

- 86 mm

### Net weight

- 2.05 kg

### Compatibility code

- NSX100

## Environment

### Overvoltage category

- Class II

### Electrical shock protection class

- Class II

### Standards

- EN/IEC 60947

### Product certifications

- Marine
- EAC
- CCC

### 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

## Offer Sustainability

### Sustainable offer status

- Green Premium product

### REACh Regulation

- REACh Declaration

### EU RoHS Directive

- Pro-active compliance (Product out of EU RoHS legal scope)
- EU RoHS Declaration

### Mercury free

- Yes

### RoHS exemption information

- Yes

### China RoHS Regulation

- China RoHS declaration
- Product out of China RoHS scope. Substance declaration for your information

### Environmental Disclosure

- Product Environmental Profile

### Circularity Profile

- End of Life Information
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