

I-Line circuit breaker, 1 Pole L1, 100A rating, 25kA, TMD trip unit adapted ComPacT NSX new generation

IL1001P251

EAN Code: 5018934031491

Main

| Range | I-Line |
|--|---|
| Range of product | ComPacT NSX100250 |
| Device short name | NSX100B |
| Product or component type | Circuit breaker |
| Device application | Distribution |
| Number of poles | 1P |
| [In] rated current | 100 A at 40 °C |
| [Ue] rated operational voltage | 277 V AC 50/60 Hz conforming to EN/IEC 60947-2 250 V DC conforming to EN/IEC 60947-2 |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Utilisation category | Category A |
| [Icu] rated ultimate short-circuit breaking capacity | 25 kA Icu at 220/240 V AC 50/60 Hz conforming to EN 60947-2 |
| Performance level | N |
| Trip unit name | TM-D |
| Trip unit technology | Thermal-magnetic |
| Trip unit protection functions | LI |
| control type | Toggle |
| Mounting location | I-Line |

Complementary

| • | |
|---|---|
| [Ui] rated insulation voltage | 800 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to EN/IEC 60947-2 |
| [Ics] rated service short-circuit breaking capacity | 25 kA at 220/240 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| Mechanical durability | 20000 cycles |
| Electrical durability | 20000 cycles at 277 V In 10000 cycles at 277 V In/2 |
| Protection type | L : for overload protection (long time) I : for short-circuit protection (magnetic) |
| Long-time pick-up adjustment type Ir (thermal protection) | Fixed |
| [Ir] long-time protection pick-up adjustment range | 1 ln |
| Long-time protection delay adjustment type tr | Fixed |

| Instantaneous protection pick-up adjustment type li | Fixed |
|--|--------|
| [li] instantaneous protection pick- up adjustment range | 800 A |
| Width (W) | 35 mm |
| Height (H) | 161 mm |
| Depth (D) | 86 mm |
| Product weight | 0.7 kg |
| Colour | Grey |

Environment

| Standards | EN/IEC 60947-1 EN/IEC 60947-2 |
|---------------------------------------|---|
| Pollution degree | 3 conforming to IEC 60664-1 |
| IP degree of protection | IP40 conforming to IEC 60529 |
| IK degree of protection | IK07 conforming to IEC 62262 |
| Ambient air temperature for operation | -2570 °C |
| Ambient air temperature for storage | -5085 °C |
| Relative humidity | 95 % |
| Operating altitude | 02000 m without derating 2000 m5000 m without derating |

Packing Units

| • | |
|------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.000 cm |
| Package 1 Width | 20.000 cm |
| Package 1 Length | 25.000 cm |
| Package 1 Weight | 1.012 kg |

Logistical informations

Country of origin G

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Use Better

Take-back

| Materials and Substances | | |
|--|----|--|
| Packaging made with recycled cardboard | No | |
| Packaging without single use plastic | No | |
| se Again | | |
| Repack and remanufacture | | |

No

Image of product / Alternate images

Alternative







