Product datasheet

Specifications

Discontinued

I-Line circuit breaker, 1 Pole L2, 80A rating, 25kA, TMD trip unit adapted ComPact NSX

CDXAE12080B

Discontinued on: 15 Aug 2025

EAN Code: 5018934021683

Main

Range	I-Line
Range of product	ComPact NSX100...250
Device short name	NSX100B
Product or component type	Circuit breaker
Device application	Distribution
Number of poles	1P
[In] rated current	80 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 In
Long-time protection delay adjustment type tr	Fixed

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Instantaneous protection pick-up adjustment type Ii	Fixed
[Ii] instantaneous protection pick-up adjustment range	640 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	-25…70 °C
Ambient air temperature for storage	-50…85 °C
Relative humidity	95 %
Operating altitude	0...2000 m without derating 2000 m...5000 m without derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.500 cm
Package 1 Width	19.500 cm
Package 1 Length	25.500 cm
Package 1 Weight	1.040 kg

Logistical informations

Country of origin	GB

Contractual warranty

Warranty (in months)	18

Environmental Data

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

Materials and Substances

Packaging made with recycled cardboard	**No**
Packaging without single use plastic	**No**
SCIP Number	**Ee30f199-4afc-43bc-9a5f-5e0393ce133a**
EU RoHS Directive	**Compliant By Exemption**
Halogen-free status	**Product contains halogen above thresholds**

Use Longer

Lifetime extension

Repair	**No**

Use Again

Repack and remanufacture

Take-back	**No**