

Product datasheet

Specifications



I-Line circuit breaker, 3 Poles, 100A rating, 36kA, TMD trip unit adapted ComPact NSX

CNXAE34100

⚠ Discontinued on: 16 Sept 2025

⚠ Discontinued

Main

Range	I-Line
Range of product	ComPact NSX100...250
Device short name	NSX100F
Product or component type	Circuit breaker
Device application	Distribution
Number of poles	3P
[In] rated current	100 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz 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	36 kA Icu at 415 V AC 50/60 Hz conforming to EN 60947-2
Performance level	F
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	36 kA at 415 V AC 50/60 Hz conforming to EN/IEC 60947-2
Mechanical durability	50000 cycles
Electrical durability	50000 cycles at 440 V In/2 30000 cycles at 440 V In 20000 cycles at 690 V In/2 10000 cycles at 690 V In
Protection type	L : for overload protection (long time) I : for short-circuit protection (magnetic)
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	0.7...1 x 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

[tr] long-time protection delay adjustment range	120...400 s at 1.5 x Ir 15 s at 6 x Ir
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick-up adjustment range	800 A
Width (W)	105 mm
Height (H)	161 mm
Depth (D)	86 mm
Net weight	2.05 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	19.000 cm
Package 1 Width	11.000 cm
Package 1 Length	27.000 cm
Package 1 Weight	2.540 kg
Unit Type of Package 2	P12
Number of Units in Package 2	144
Package 2 Height	112.000 cm
Package 2 Width	100.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	377.700 kg

Logistical informations

Country of origin	PL
-------------------	----

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
REACH Regulation	Reference contains Substances of Very High Concern above the threshold
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes

Use Longer

Lifetime extension	
Repair	No

Use Again

Repack and remanufacture	
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins