

# Product datasheet

Specifications



Circuit breaker. ComPacT NSX1200 TM-DC. 2 poles. 1200A. 50kA at 600 VDC. without bare cable connector

C1BN2TM12HD

⚠ To be discontinued

⚠ Discontinued on: 01 Dec 2024

**Price: 63,457.55 ZAR**

## Main

Range	ComPacT
Product name	ComPacT NSX DC
Device short name	NSX1200 DC
Product or component type	Circuit breaker
Device application	Distribution
Poles description	2P
Protected poles description	2D
[In] rated current	1200 A at 40 °C
[Ue] rated operational voltage	600 V DC
Network type	DC
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
Breaking capacity	50 kA Icu at 24...300 V DC 1 pole conforming to IEC 60947-2 50 kA Icu at 300...600 V DC 2 poles in series conforming to IEC 60947-2
Breaking capacity code	N 50 kA 600 V DC
Trip unit name	TM-DC
Trip unit technology	Thermal-magnetic
Trip unit protection functions	LI
Control type	Toggle
Circuit breaker mounting mode	Fixed

## Complementary

[Ui] rated insulation voltage	750 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service breaking capacity	12.5 kA at 24...300 V DC conforming to IEC 60947-2 12.5 kA at 300...600 V DC conforming to IEC 60947-2
Mechanical durability	5000 cycles
Electrical durability	2000 cycles at 600 V In/2 1000 cycles at 600 V In
Mounting support	Backplate

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

<b>Mounting position</b>	Horizontal and vertical Flat on the back
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	45 mm
<b>Protection type</b>	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
<b>Trip unit rating</b>	1200 A at 40 °C
<b>Long-time pick-up adjustment type Ir (thermal protection)</b>	Adjustable
<b>[Ir] long-time protection pick-up adjustment range</b>	0.7...1 x In
<b>Long-time protection delay adjustment type tr</b>	Fixed
<b>Instantaneous protection pick-up adjustment type Ii</b>	Adjustable
<b>[Ii] instantaneous protection pick-up adjustment range</b>	2.5...5 x In
<b>Earth-leakage protection</b>	Without
<b>Number of slots</b>	6 slot(s)
<b>Width (W)</b>	185 mm
<b>Height (H)</b>	485 mm
<b>Depth (D)</b>	110 mm
<b>Net weight</b>	9.4 kg

## Environment

<b>Standards</b>	EN/IEC 60947-2
<b>Overvoltage category</b>	III
<b>Electrical shock protection class</b>	Class II on front face
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °C
<b>Relative humidity</b>	0...95 %
<b>Operating altitude</b>	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

<b>Package 1 Height</b>	15 cm
<b>Package 1 Width</b>	19 cm
<b>Package 1 Length</b>	36 cm
<b>Package 1 Weight</b>	7.9 kg

## Contractual warranty

<b>Warranty (in months)</b>	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 >](#)

### Environmental footprint

Total lifecycle Carbon footprint 2823

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number E01033b9-a29d-4247-893c-b0642e7209e8

REACH Regulation [REACH Declaration](#)

Halogen-free status Product contains halogen above thresholds

PVC free Yes

Silicone-free No

## Use Longer

### Lifetime extension

Repair No

## Use Again

### Repack and remanufacture

End of life manual availability No need of specific recycling operations

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