

Product datasheet

Specifications



Circuit breaker. ComPacT NSX800 TM-DC. 2 poles. 800A. 50kA at 600 VDC. without bare cable connector

C1BN2TM800D

Price: 59,785.15 ZAR

Main

Range	ComPacT new generation
Product Name	ComPacT NSX DC new generation
Device Short Name	NSX1200 DC
Product Or Component Type	Circuit breaker
Device Application	Distribution
Poles Description	2P
Protected Poles Description	2D
[In] Rated Current	800 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
[Icu] Rated Ultimate Short-Circuit 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
Performance Level	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 Short-Circuit 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
Mounting Position	Horizontal and vertical Flat on the back

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

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

Upside Connection	Front
Downside Connection	Front
Connection Pitch	45 mm
Protection Type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip Unit Rating	800 A at 40 °C
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
Instantaneous Protection Pick-Up Adjustment Type Ii	Adjustable
[Ii] Instantaneous Protection Pick-Up Adjustment Range	2.5...5 x In
Earth-Leakage Protection	Without
Number Of Slots For Electrical Auxiliaries	6 slot(s)
Width (W)	185 mm
Height (H)	485 mm
Depth (D)	110 mm
Net Weight	9.4 kg

Environment

Standards	EN/IEC 60947-2
Product Certifications	CCC EAC Marine
Overvoltage Category	Class II
Electrical Shock Protection Class	Class II
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	0...95 %
Operating Altitude	0...2000 m without derating 2000 m...5000 m with derating

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	30.0 cm
Package 1 Width	40.0 cm
Package 1 Length	60.0 cm
Package 1 Weight	10.182 kg

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

✓	Mercury Free	
✓	Rohs Exemption Information	Yes
✓	Halogen Free Plastic Parts Product	

Certifications & Standards

Reach Regulation	REACH Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Circularity Profile	No need of specific recycling operations