

# C1BN2TM12HD

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



## 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	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
[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
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	1200 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 li	Adjustable
[li] 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[RETURN]EAC[RETURN]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

Package 1 Height	15 cm
Package 1 Width	19 cm
Package 1 Length	36 cm
Package 1 Weight	7.9 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant with Exemptions
Mercury free	Yes
China RoHS Regulation	 <a href="#">China RoHS Declaration</a>
RoHS exemption information	 <a href="#">Yes</a>
Environmental Disclosure	 <a href="#">Product Environmental Profile</a>
Circularity Profile	No need of specific recycling operations
Halogen content performance	Halogen free plastic parts product