



### Main

Range	Compact
Product name	Compact NSX DC
Range of product	NSX400...630 DC
Device short name	Compact NSX800 DC
Product or component type	Circuit breaker
Device application	Distribution
Poles description	2P
Protected poles description	2t
[In] rated current	800 A at 40 °C
[Ue] rated operational voltage	600 V DC conforming to IEC 60947-2
Network type	DC
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	50 kA Icu at 250 V DC 1P conforming to IEC 60947-2 50 kA Icu at 600 V DC 2P conforming to IEC 60947-2
Performance level	N 50 kA 250 V DC
Trip unit name	TM-DC
Trip unit technology	Thermal-magnetic
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	4.5 kA at 600 V DC conforming to IEC 60947-2
Mechanical durability	5000 cycles

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
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
Width (W)	185 mm
Height (H)	488 mm
Depth (D)	110 mm
Net weight	8.3 kg

## Environment

Standards	EN/IEC 60947 UL 508
Product certifications	EAC CCC
Pollution degree	3 conforming to IEC 60947-2
IP degree of protection	IP20 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102

## Packing Units

Package 1 Weight	7.500 kg
Package 1 Height	1.580 dm
Package 1 width	1.960 dm
Package 1 Length	3.680 dm

## Offer Sustainability

Sustainable offer status	Green Premium product
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins