# **Product datasheet**

Specification





## Circuit breaker, ComPacT NSX400S DC, 100kA/750VDC, 4 poles, TM-DC trip unit 400A

C40S4TM400D

#### Main

mam	
Range	ComPacT new generation
Product Name	ComPacT NSX DC new generation
Device Short Name	NSX400S DC
Product Or Component Type	Circuit breaker
Device Application Distribution	
Poles Description	4P
Protected Poles Description	4D
Neutral Position Left	
n] Rated Current 400 A at 40 °C	
[Ue] Rated Operational Voltage	750 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	100 kA Icu at 24125 V DC 1 pole conforming to IEC 60947-2 100 kA Icu at 250 V DC 1 pole conforming to IEC 60947-2 100 kA Icu at 500 V DC 2 poles in series conforming to IEC 60947-2 100 kA Icu at 750 V DC 3 poles in series conforming to IEC 60947-2
Performance Level	S 100 kA 500 V DC
Trip Unit Name	TM-DC
Trip Unit Technology	Thermal-magnetic
Trip Unit Protection Functions	Ц
Control Type	Toggle
Circuit Breaker Mounting Mode	Fixed

### Complementary

[Ui] Rated Insulation Voltage	750 V DC conforming to IEC 60947-2  8 kV conforming to IEC 60947-2	
[Uimp] Rated Impulse Withstand Voltage		
[Ics] Rated Service Short-Circuit Breaking Capacity	100 kA at 24125 V DC conforming to IEC 60947-2 100 kA at 250 V DC conforming to IEC 60947-2 100 kA at 500 V DC conforming to IEC 60947-2 100 kA at 750 V DC conforming to IEC 60947-2	
Mechanical Durability	5000 cycles	
Electrical Durability	2000 cycles at 750 V In/2 1000 cycles at 750 V In	

7 Nov 2023 Life Is On Schneider

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	400 A at 40 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable
[Ir] Long-Time Protection Pick-Up Adjustment Range	0.71 x ln
Long-Time Protection Delay Adjustment Type Tr	Fixed
Instantaneous Protection Pick-Up Adjustment Type Ii	Adjustable
[li] Instantaneous Protection Pick- Up Adjustment Range	2.55 x ln
Earth-Leakage Protection	Without
Number Of Slots For Electrical Auxiliaries	6 slot(s)
Width (W)	185 mm
Height (H)	255 mm
Depth (D)	110 mm
Net Weight	8.4 kg

### **Environment**

Standards	EN/IEC 60947
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	-2570 °C
Ambient Air Temperature For Storage	-5085 °C
Relative Humidity	095 %
Operating Altitude	02000 m without derating 2000 m5000 m with derating

### **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	14.7 cm
Package 1 Width	20.0 cm

Package 1 Length	29.1 cm	
Package 1 Weight	7.321 kg	

# Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

#### Learn more >





Transparency RoHS/REACh

#### Well-being performance

	Mercury Free	
<b>②</b>	Rohs Exemption Information	Yes
<b>②</b>	Halogen Free Plastic Parts Product	

#### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant EU RoHS Declaration
China Rohs Regulation	China RoHS declaration  Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile