# **Product datasheet**

Specification





Circuit breaker basic frame, ComPacT NSX400S, 100kA/ 415VAC, 3 poles, 400A frame rating, without trip unit

C40S3

#### Main

Range	ComPacT new generation	
	Community generation	
Product name	ComPacT NSX new generation	
Device short name	NSX400S	
Product or component type	Basic frame	
Device application	Distribution	
poles description	3P	
[In] rated current	400 A at 40 °C	
[Ue] rated operational voltage	nal voltage 690 V AC 50/60 Hz conforming to IEC 60947-2	
network type	AC	
Network frequency	50/60 Hz	
Suitability for isolation	Yes conforming to EN/IEC 60947-2	
Utilisation category	Category A	
[lcu] rated ultimate short-circuit breaking capacity	100 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 120 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 90 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2	
Performance level	S 100 kA 415 V AC	
Control type	Toggle	
mounting mode	Fixed	

## Complementary

[Ui] rated insulation voltage	800 V AC 50/60 Hz conforming to IEC 60947-2	
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2	
[lcs] rated service short-circuit	100 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2	
breaking capacity	65 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2	
	90 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2	
	12 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2	
	12 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2	
	125 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2	
Mechanical durability	15000 cycles conforming to IEC 60947-2	
Electrical durability	12000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2	
	3000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2	
	6000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2	
	6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2	
mounting support	Backplate	

Upside connection	Front
downside connection	Front
Connection pitch	45 mm
Protection type	Without protection
Width (W)	140 mm
Height (H)	255 mm
Depth (D)	110 mm

### **Environment**

Standards	EN/IEC 60947-2 UL 60947-4-1
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	-50��85 °C

# **Packing Units**

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.0 cm
Package 1 Width	15.5 cm
Package 1 Length	29.0 cm
Package 1 Weight	4.55 kg
Unit Type of Package 2	P12
Number of Units in Package 2	36
Package 2 Height	45.0 cm
Package 2 Width	80.0 cm
Package 2 Length	120.0 cm
Package 2 Weight	179.0 kg



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Transparency RoHS/REACh

### Well-being performance

	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes
<b>②</b>	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	End of Life Information