

# Product datasheet

Specifications



## Circuit breaker basic frame, ComPact NSX250F DC, 36kA at 750VDC, 250A, without trip unit, 4 poles

LV438208

! Discontinued on: 03 July 2023

! Discontinued

### Main

Range	ComPact
Range of product	ComPact NSX100...250 DC
Device short name	NSX250F DC
Product or component type	Basic frame
Device application	Distribution
Circuit breaker name	Compact NSX250F DC
Number of poles	4P
[In] rated current	250 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	36 kA Icu at 250 V DC 1P conforming to IEC 60947-2 36 kA Icu at 24...125 V DC 1P conforming to IEC 60947-2 36 kA Icu at 500 V DC 2P conforming to IEC 60947-2 36 kA Icu at 750 V DC 3P conforming to IEC 60947-2
Performance level	F 36 kA 750 V DC
Control type	Toggle
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	36 kA at 250 V DC conforming to IEC 60947-2 (1P) 36 kA at 48/125 V DC conforming to IEC 60947-2 (1P) 36 kA at 500 V DC conforming to IEC 60947-2 (2P) 36 kA at 750 V DC conforming to IEC 60947-2 (3P)
Maximum breaking time	10 ms
Mechanical durability	10000 cycles conforming to IEC 60947-2
Electrical durability	10000 cycles 250 V DC In/2 conforming to IEC 60947-2 10000 cycles 500 V DC In/2 conforming to IEC 60947-2 10000 cycles 750 V DC In/2 conforming to IEC 60947-2 5000 cycles 250 V DC In conforming to IEC 60947-2

5000 cycles 500 V DC In conforming to IEC 60947-2  
5000 cycles 750 V DC In conforming to IEC 60947-2

Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Protection type	Without protection
Width (W)	140 mm
Height (H)	161 mm
Depth (D)	86 mm

## Environment

Standards	IEC 60947-2
Product certifications	ASTA ASEFA KEMA LCIE
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to EN 50102
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.5 cm
Package 1 Width	14.3 cm
Package 1 Length	18.8 cm
Package 1 Weight	2.138 kg

## Offer Sustainability

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

## Contractual warranty

Warranty	18 months
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**Recommended replacement(s)**