

Product datasheet

Specifications



Circuit breaker basic frame,
ComPacT NSX100F DC, 36kA/
750VDC, 3 poles, 100A frame
rating, without trip unit

C10F3D

Main

Range	ComPacT new generation
Product Name	ComPacT NSX DC new generation
Device Short Name	NSX100F DC
Product Or Component Type	Basic frame
Device Application	Distribution
Poles Description	3P
[In] Rated Current	100 A at 40 °C
[Ue] Rated Operational Voltage	750 V DC conforming to IEC 60947-2
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 24...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)	105 mm
Height (H)	161 mm
Depth (D)	86 mm

Environment

Standards	IEC 60947-2
Product Certifications	ASEFA KEMA LCIE ASTA
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	14.0 cm
Package 1 Width	11.3 cm
Package 1 Length	19.4 cm
Package 1 Weight	1.514 kg
Unit Type Of Package 2	S03
Number Of Units In Package 2	7
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	10.946 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

Mercury Free

Rohs Exemption Information Yes

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 No need of specific recycling operations