

# Product datasheet

Specifications



## Circuit breaker basic frame, ComPacT NSX160F DC, 36kA at 750 VDC, 160A, without trip unit, 3 poles

C16F3D

### Main

Range	ComPacT new generation
Product Name	ComPacT NSX DC new generation
Device Short Name	NSX160F DC
Product Or Component Type	Basic frame
Device Application	Distribution
Poles Description	3P
[In] Rated Current	160 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

<b>Downside Connection</b>	Front
<b>Connection Pitch</b>	35 mm
<b>Protection Type</b>	Without protection
<b>Width (W)</b>	105 mm
<b>Height (H)</b>	161 mm
<b>Depth (D)</b>	86 mm

## Environment

<b>Standards</b>	IEC 60947-2
<b>Product Certifications</b>	KEMA ASEFA ASTA LCIE
<b>Pollution Degree</b>	3 conforming to IEC 60664-1
<b>Ip Degree Of Protection</b>	IP40 conforming to IEC 60529
<b>Ik Degree Of Protection</b>	IK07 conforming to EN 50102
<b>Ambient Air Temperature For Operation</b>	-25...70 °C
<b>Ambient Air Temperature For Storage</b>	-50...85 °C

## Packing Units

<b>Unit Type Of Package 1</b>	PCE
<b>Number Of Units In Package 1</b>	1
<b>Package 1 Height</b>	14.4 cm
<b>Package 1 Width</b>	11.7 cm
<b>Package 1 Length</b>	19.4 cm
<b>Package 1 Weight</b>	1.508 kg
<b>Unit Type Of Package 2</b>	S03
<b>Number Of Units In Package 2</b>	7
<b>Package 2 Height</b>	30.0 cm
<b>Package 2 Width</b>	30.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	10.96 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-CO<sub>2</sub> products.

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## Well-being performance

 Mercury Free

 Rohs Exemption Information [Yes](#)

**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