

Product datasheet

Specifications



Circuit breaker, ComPact NSX160F DC, TM-DC trip unit, 125A, 3 Poles

LV438832

⚠ Discontinued on: 27 Aug 2020

⚠ End-of-service on: 25 Sept 2023

⚠ Discontinued

Main

Range	ComPact
Device short name	Compact NSX160 DC
Product or component type	Circuit breaker
Device application	Distribution
Poles description	3P
Network type	DC
Suitability for isolation	Yes conforming to IEC 60947-2
Utilisation category	Category A
[In] rated current	125 A at 40 °C
[Ue] rated operational voltage	750 V DC conforming to IEC 60947-2
Trip unit name	TM-D
Trip unit type	Thermal-magnetic
Trip unit rating	125 A at 40 °C
Control type	Toggle
Mounting mode	Fixed

Complementary

Long time delay adjustment type	Fixed
[Ui] rated insulation voltage	800 V DC conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Icu] rated ultimate short-circuit breaking capacity	36 kA Icu at 48/125 V DC 1P conforming to IEC 60947-2 36 kA Icu at 250 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 60947-3
[Ics] rated service short-circuit breaking capacity	36 kA at 750 V DC conforming to IEC 60947-2
Mechanical durability	10000 cycles
Electrical durability	5000 cycles 750 V DC In conforming to IEC 60947-2 10000 cycles 750 V DC In/2 conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch without spreaders	35 mm

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Long time pick-up adjustment type Ir	Adjustable
Long time pick-up adjustment range	0.8...1 x In
Instantaneous pick-up adjustment range	1250 A
Instantaneous pick-up adjustment type li	Fixed
Local signalling	Positive contact indication
Width	105 mm
Height	161 mm
Depth	86 mm
Net weight	1.6 kg

Environment

Standards	IEC 60947-2
Pollution degree	3 conforming to IEC 60947-2

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	10 cm
Package 1 Width	10.5 cm
Package 1 Length	16 cm
Package 1 Weight	2250 g
Unit Type of Package 2	CAR
Number of Units in Package 2	9
Package 2 Height	23 cm
Package 2 Width	38 cm
Package 2 Length	49.5 cm
Package 2 Weight	20.25 kg
Unit Type of Package 3	PAL
Number of Units in Package 3	72
Package 3 Height	107.2 cm
Package 3 Width	60 cm
Package 3 Length	80 cm
Package 3 Weight	169.2 kg



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

Materials and Packaging	
SCIP Number	7d6c5323-3b71-4333-a113-9289f60c74a5
EU RoHS Directive	Compliant

Use Longer

Lifetime extension	
Repair	No