

Product data sheet

Specifications



circuit breaker basic frame,
ComPact NS100L, 150kA/415VAC
50/60Hz, 100A, fixed, without trip
unit, 3P

29005

⚠ Discontinued on: Jun 30, 2023

⚠ Discontinued

Main

Range Of Product	NS100...250
Product Or Component Type	Basic frame
Device Short Name	Compact NS100L
Circuit Breaker Name	Compact NS100L
Poles Description	3P
Network Type	DC AC
Network Frequency	50/60 Hz
Control Type	Toggle
[In] Rated Current	100 A at 40 °C 100 A at 65 °C
[Ui] Rated Insulation Voltage	750 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-2
[Ue] Rated Operational Voltage	690 V AC 50/60 Hz conforming to IEC 60947-2 750 V DC conforming to IEC 60947-2
Breaking Capacity Code	L
Breaking Capacity	130 kA at 480 V AC 50/60 Hz conforming to NEMA AB1 HIC 200 kA at 240 V AC 50/60 Hz conforming to NEMA AB1 HIC 50 kA at 600 V AC 50/60 Hz conforming to NEMA AB1 HIC 100 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 100 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 130 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 75 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Ics] Rated Service Breaking Capacity	130 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 150 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 37.5 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Suitability For Isolation	Yes conforming to IEC 60947-2
Utilisation Category	Category A
Pollution Degree	3 conforming to IEC 60947

Complementary

Mounting Mode	Fixed
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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

Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Protection Type	Without protection
Mechanical Durability	50000 cycles conforming to IEC 60947-2
Electrical Durability	30000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 50000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Connection Pitch	35 mm
Height	161 mm
Width	105 mm
Depth	86 mm

Environment

Standards	IEC 60947-2
Product Certifications	ASTA LCIE ASEFA KEMA
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	11.0 cm
Package 1 Width	14.0 cm
Package 1 Length	17.5 cm
Package 1 Weight	1.444 kg

Contractual warranty

Warranty	18 months
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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 >](#)

Well-being performance

 Mercury Free	
 Rohs Exemption Information	Yes
Reach Regulation	REACH Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information