

# Product datasheet

Specifications



circuit breaker basic frame,  
ComPact NS 1250N, 50 kA at 415  
VAC, 1250 A, fixed, electrically  
operated, without trip unit, 4 P

Local distributor code:

383449032

33304

**EAN Code: 3303430333043**

## Main

Range	ComPacT
Range of product	ComPacT NS630b...1600 new generation
Device short name	Compact NS1250N
Product or component type	Basic frame
Device application	Distribution
Number of poles	4P
Neutral position	Left
[In] rated current	1250 A at 50 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category B
Breaking capacity	50 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 40 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
Breaking capacity code	N 50 kA 415 V AC
Control type	Electrically operated
Mounting mode	Fixed

## Complementary

[Ui] rated insulation voltage	1000 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2
[Ics] rated service breaking capacity	37 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 37 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 30 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation) 22 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 (electrical operation)
[Icw] rated short-time withstand current	19.2 kA 1 s conforming to IEC 60947-2
Integral instant protection	40 kA
Mechanical durability	10000 cycles conforming to IEC 60947-2

<b>Electrical durability</b>	2000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 3000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 4000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 5000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
<b>Power losses</b>	44 W
<b>Mounting support</b>	Backplate
<b>Connection pitch</b>	70 mm
<b>Protection type</b>	Without protection
<b>Height (H)</b>	224 mm
<b>Width (W)</b>	280 mm
<b>Depth (D)</b>	182 mm

## Environment

<b>Standards</b>	IEC 60947-2
<b>Product certifications</b>	ASTA LCIE ASEFA
<b>Overvoltage category</b>	III
<b>Electrical shock protection class</b>	Class II on front face
<b>Pollution degree</b>	3 conforming to IEC 60947
<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 storage</b>	-50...85 °C
<b>Ambient air temperature for operation</b>	-25...70 °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>	40.0 cm
<b>Package 1 Width</b>	40.0 cm
<b>Package 1 Length</b>	30.0 cm
<b>Package 1 Weight</b>	15.06 kg

## Logistical informations

<b>Country of origin</b>	FR
--------------------------	----

## Contractual warranty

<b>Warranty (in months)</b>	18
-----------------------------	----



## 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 >](#)



### Environmental footprint

Total lifecycle Carbon footprint	1 087 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	211 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	4 kg CO2 eq.
Carbon footprint of the installation phase [A5]	2 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	848 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	22 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
SCIP Number	21550c2a-6c05-4d3d-8388-9ca38a81a60f
EU RoHS Directive	<a href="#">Compliant By Exemption</a>
REACH Regulation	<a href="#">Reference contains Substances of Very High Concern above the threshold</a>
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

## Use Longer




### Lifetime extension

Repair	No
--------	----

## Use Again



### Repack and remanufacture

Recyclability potential, in %	56
End of life manual availability	<a href="#">End of Life Information</a>
Take-back	No
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

