

# Product data sheet

Specifications



Circuit breaker, ComPact NS1250H,  
70kA/415VAC, Micrologic 6.0 trip  
unit, 1250A, fixed, 3 poles 3d

33922

⚠ To be discontinued on: Apr 30, 2024

⚠ To be discontinued

## Main

Range	ComPact
Product Name	ComPact NS
Range Of Product	ComPact NS630b...1600
Device Short Name	Compact NS1250H
Product Or Component Type	Circuit breaker
Device Application	Distribution
Number Of Poles	3P
Protected Poles Description	3D
(In) Rated Current Up To 65 °C	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
[Icu] Rated Ultimate Short-Circuit Breaking Capacity	42 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 65 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2 70 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2
Performance Level	H 70 kA 415 V AC
Trip Unit Name	MicroLogic 6.0
Trip Unit Technology	Electronic
Trip Unit Protection Functions	LSIG
Control Type	Rotary handle Toggle
Circuit Breaker Mounting Mode	Fixed

## Complementary

[Ui] Rated Insulation Voltage	800 V AC 50/60 Hz conforming to IEC 60947-2
[Uimp] Rated Impulse Withstand Voltage	8 kV conforming to IEC 60947-2

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

<b>[Ics] Rated Service Short-Circuit Breaking Capacity</b>	50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 40 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Icw] Rated Short-Time Withstand Current</b>	19.2 kA 1 s conforming to IEC 60947-2
<b>Mechanical Durability</b>	10000 cycles
<b>Electrical Durability</b>	2000 cycles at 690 V In 3000 cycles at 690 V In/2 4000 cycles at 440 V In 5000 cycles at 440 V In/2
<b>Power Losses</b>	44 W
<b>Mounting Support</b>	Backplate
<b>Upside Connection</b>	Front
<b>Downside Connection</b>	Front
<b>Connection Pitch</b>	70 mm
<b>Protection Type</b>	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection
<b>Trip Unit Rating</b>	1250 A at 50 °C
<b>Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)</b>	Adjustable 9 settings
<b>[Ir] Long-Time Protection Pick-Up Adjustment Range</b>	0.4...1 x In
<b>Long-Time Protection Delay Adjustment Type Tr</b>	Adjustable 9 settings
<b>[Tr] Long-Time Protection Delay Adjustment Range</b>	12.5...600 s at 1.5 x Ir 0.5...24 s at 6 x Ir 0.7...16.6 s at 7.2 x Ir
<b>Thermal Memory</b>	20 mn
<b>Short-Time Protection Pick-Up Adjustment Type Isd</b>	Adjustable 9 settings
<b>[Isd] Short-Time Protection Pick-Up Adjustment Range</b>	1.5...10 x Ir
<b>Short-Time Protection Delay Adjustment Type Tsd</b>	Adjustable
<b>[Tsd] Short-Time Protection Delay Adjustment Range</b>	0.1...0.4 s I <sup>2</sup> t=on 0...0.4 s I <sup>2</sup> t=off
<b>Instantaneous Protection Pick-Up Adjustment Type Ii</b>	Adjustable
<b>[Ii] Instantaneous Protection Pick-Up Adjustment Range</b>	Off 2...15 x In
<b>Ground-Fault Protection Pick-Up Adjustment Type Ig</b>	Adjustable 9 settings
<b>[Ig] Ground-Fault Protection Pick-Up Adjustment Range</b>	0.3...1 x In for In ≤ 400 A 0.2...1 x In for 400 A < In < 1250 A 500...1200 A for In ≥ 1250 A
<b>Ground-Fault Protection Time Delay Adjustment Type Tg</b>	Adjustable
<b>[Tg] Ground-Fault Protection Time Delay Adjustment Range</b>	0.1...0.4 s I <sup>2</sup> t=on 0...0.4 s I <sup>2</sup> t=off
<b>Earth-Leakage Protection</b>	Without
<b>Zone Selective Interlocking Zsi</b>	Without
<b>Auxiliary Contact Composition</b>	1 NO/NC
<b>Local Signalling</b>	4 LEDs (red) for fault indication 1 LED (yellow) for overload

Width (W)	210 mm
Height (H)	327 mm
Depth (D)	147 mm
Net Weight	14 kg

## Environment

Standards	EN/IEC 60947-2
Product Certifications	ASTA ASEFA
Pollution Degree	3 conforming to IEC 60947
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
Relative Humidity	0...95 %
Operating Altitude	0...2000 m without derating 2000 m...5000 m with derating

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	23.0 cm
Package 1 Width	37.0 cm
Package 1 Length	39.5 cm
Package 1 Weight	12.125 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.

**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](#)

✓ Pvc Free

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
California Proposition 65	WARNING: This product can expose you to chemicals including: DINP, which is known to the State of California to cause cancer, and DIDP, which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>