# **Product datasheet**

Specifications





Circuit breaker, ComPacT NS1600H, 70kA at 415VAC, 3P, fixed, manually operated, MicroLogic 2.0 control unit, 1600A

C160H320FM

#### Main

ComPacT ComPacT NS new generation ComPacT NS630b1600 new generation
ComPacT NS630b1600 new generation
Circuit breaker
Distribution
3P
3D
1600 A at 50 °C
690 V AC 50/60 Hz
AC
50/60 Hz
Yes conforming to EN/IEC 60947-2
Category B
85 kA lcu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 70 kA lcu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 65 kA lcu at 440 V AC 50/60 Hz conforming to IEC 60947-2 50 kA lcu at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 42 kA lcu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
H 70 kA 415 V AC
MicroLogic 2.0
Electronic
LI
Manually operated
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
[Ics] Rated Service Short-Circuit Breaking Capacity	37 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2 22 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2
[Icw] Rated Short-Time Withstand Current	19.2 kA 1 s conforming to IEC 60947-2
Mechanical Durability	10000 cycles

Electrical Durability	1000 cycles at 690 V In 2000 cycles at 690 V In/2 2000 cycles at 440 V In
	5000 cycles at 440 V In/2
Power Losses	74 W
Mounting Support	Backplate
Upside Connection	Front
Downside Connection	Front
Connection Pitch	70 mm
Protection Type	L : for overload protection (long time) I : for instantaneous short-circuit protection
Trip Unit Rating	1600 A at 50 °C
Long-Time Pick-Up Adjustment Type Ir (Thermal Protection)	Adjustable 9 settings
[Ir] Long-Time Protection Pick-Up Adjustment Range	0.41 x ln
Long-Time Protection Delay Adjustment Type Tr	Adjustable 9 settings
[Tr] Long-Time Protection Delay Adjustment Range	12.5600 s at 1.5 x lr 0.524 s at 6 x lr 0.716.6 s at 7.2 x lr
Thermal Memory	20 mn
Instantaneous Protection Pick-Up Adjustment Type li	Adjustable
[li] Instantaneous Protection Pick- Up Adjustment Range	1.510 x lr
Earth-Leakage Protection	Without
Zone Selective Interlocking Zsi	Without
Auxiliary Contact Composition	1 NO/NC
Local Signalling	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	IECEE CB Scheme
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	-2570 °C
Ambient Air Temperature For Storage	-5085 °C
Relative Humidity	095 %
Operating Altitude	02000 m without derating 2000 m5000 m with derating

2000 m...5000 m with a

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	30.0 cm
Package 1 Width	40.0 cm
Package 1 Length	60.0 cm
Package 1 Weight	14.91 kg

# Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass 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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

### Well-being performance



Rohs Exemption Information

### **Certifications & Standards**

Reach Regulation	REACh Declaration
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information