# **Product datasheet**

Specifications



### () Discontinued

### Main

## circuit breaker Compact NS1600N -Micrologic 2.0 - 1600 A - 3 poles 3t

33482

() Discontinued on: Nov 10, 2024

Wall		
Range	ComPact	
Product name	ComPact NS	
Range of product	ComPact NS630b1600	
Device short name	Compact NS1600N	
Product or component type	Circuit breaker	
Device application	Distribution	
Number of poles	3P	
Protected poles description	3D	
(In) rated current up to 65 °C	1600 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	
[lcu] rated ultimate short-circuit breaking capacity	30 kA Icu at 660/690 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 85 kA Icu at 220/240 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	
Performance level	N 50 kA 415 V AC	
Trip unit name	MicroLogic 2.0	
Trip unit technology	Electronic	
Trip unit protection functions	LI	
Control type	Toggle Rotary handle	
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

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

[Ics] rated service short-circuit	30 kA at 500/525 V AC 50/60 Hz conforming to IEC 60947-2	
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	
	22 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 37 kA at 440 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	12.5600 s at 1.5 x lr	
adjustment range	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	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	-2570 °C	

Ambient air temperature for storage	-5085 °C
Relative humidity	095 %
Operating altitude	02000 m without derating 2000 m5000 m with derating

## **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	30 cm
Package 1 Width	40 cm
Package 1 Length	60 cm
Package 1 Weight	14 kg

## **Contractual warranty**

Warranty

18 months

## C 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  $\geq$ 

${ \ensuremath{ \bigtriangledown \bigtriangledown}}$ Environmental footprint	
Total lifecycle Carbon footprint	1545
Environmental Disclosure	Product Environmental Profile

### **Use Better**

Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	No
EU RoHS Directive	Compliant with Exemptions
SCIP Number	76c2e213-3b51-4d8b-afdf-632ded42d731
REACh Regulation	REACh Declaration
Halogen-free status	Product contains halogen above thresholds
PVC free	Yes
Silicone-free	No

### Use Again

${f igcap}$ Repack an	♡ Repack and remanufacture	
End of life mar	ual availability	End of Life Information
Take-back		No