

# Product datasheet

Specifications



circuit breaker basic frame,  
ComPact NSX400N, 50 kA at 415  
VAC 50/60 Hz, 400 A, without trip  
unit, 3 poles

C40N3

EAN Code: 3606482002920

## Main

Range	ComPact
product name	ComPact NSX
Device short name	NSX400N
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	400 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz conforming to IEC 60947-2
Network type	AC
Network frequency	50/60 Hz
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Utilisation category	Category A
[Icu] rated ultimate short-circuit breaking capacity	85 kA at 240 V AC 50/60 Hz conforming to UL 508 22 kA Icu at 525 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 10 kA Icu at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 480 V AC 50/60 Hz conforming to UL 508 50 kA Icu at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 20 kA at 600 V AC 50/60 Hz conforming to UL 508 42 kA Icu at 440 V AC 50/60 Hz conforming to IEC 60947-2
Performance level	N 50 kA 415 V AC
Control type	Toggle
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
[Ics] rated service short-circuit breaking capacity	11 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 10 kA at 660/690 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380/415 V AC 50/60 Hz conforming to IEC 60947-2 30 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 42 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2
Mechanical durability	15000 cycles conforming to IEC 60947-2

# Product datasheet

Specifications



trip unit MicroLogic 6.3 E for  
ComPacT NSX 400/630 circuit  
breakers, electronic, rating 400A, 3  
poles 3d

C4036E400

EAN Code: 3606482003064

## Main

Range	ComPacT
Range of product	ComPacT NSX400...630
Product or component type	Trip unit
Trip unit name	MicroLogic 6.3 E
Trip unit technology	Electronic
Range compatibility	ComPacT NSX400 ComPacT NSX630
Device application	Distribution
Poles description	3P
Protected poles description	3D
Trip unit protection functions	LSIG
Protection type	L : for overload protection (long time) S : for short time short-circuit protection I : for instantaneous short-circuit protection G : for ground fault protection
Trip unit rating	400 A at 40 °C
[Ue] rated operational voltage	690 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz
Circuit breaker mounting mode	Fixed

## Complementary

Long-time pick-up adjustment type I <sub>r</sub> (thermal protection)	Adjustable
[I <sub>r</sub> ] long-time protection pick-up adjustment range	160...400 A
Long-time protection delay adjustment type t <sub>r</sub>	Adjustable
[t <sub>r</sub> ] long-time protection delay adjustment range	15...400 s at 1.5 x I <sub>r</sub> 0.35...11 s at 7.2 x I <sub>r</sub> 0.5...16 s at 6 x I <sub>r</sub>
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type I <sub>sd</sub>	Adjustable
[I <sub>sd</sub> ] Short-time protection pick-up adjustment range	1.5...10 x I <sub>r</sub>
Short-time protection delay adjustment type t <sub>sd</sub>	Adjustable

<b>[tsd] Short-time protection delay adjustment range</b>	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
<b>Instantaneous protection pick-up adjustment type li</b>	Adjustable
<b>[li] instantaneous protection pick-up adjustment range</b>	1.5...12 x I <sub>n</sub>
<b>Ground-fault protection pick-up adjustment type lg</b>	Adjustable
<b>[lg] ground-fault protection pick-up adjustment range</b>	0.4...1 x I <sub>n</sub> for I <sub>n</sub> = 40 A 0.2...1 x I <sub>n</sub> for I <sub>n</sub> > 40 A lg enable on/off
<b>Ground-fault protection time delay adjustment type tg</b>	Adjustable
<b>[tg] ground-fault protection time delay adjustment range</b>	0...0.4 s I <sup>2</sup> t=off 0.1...0.4 s I <sup>2</sup> t=on
<b>Earth-leakage protection</b>	Without
<b>Zone selective interlocking ZSI</b>	With
<b>Local signalling</b>	Flashing LED (green) for ready to operate LED 105 % I <sub>r</sub> (red) for overload LED 90 % I <sub>r</sub> (orange) for overload
<b>Display type</b>	LCD display
<b>Type of measurement</b>	Energy meter
<b>Communication of data</b>	Energy metering Protection and alarm settings Time-stamped histories and event tables Instantaneous and demand values Maintenance indicators Demand current and power Power quality Maximeters/minimeters
<b>Electrical data recording</b>	Maintenance indicators

## Environment

<b>Standards</b>	EN/IEC 60947-2
<b>Electrical shock protection class</b>	Class II
<b>Pollution degree</b>	3 conforming to IEC 60947-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °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>	13.5 cm
<b>Package 1 Width</b>	17.5 cm
<b>Package 1 Length</b>	21.5 cm
<b>Package 1 Weight</b>	1.483 kg
<b>Unit Type of Package 2</b>	S03
<b>Number of Units in Package 2</b>	4
<b>Package 2 Height</b>	30 cm
<b>Package 2 Width</b>	30 cm

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Package 2 Length	40 cm
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Package 2 Weight	6.374 kg
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## Logistical informations

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Country of origin	FR
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## Contractual warranty

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Warranty	18 months
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## 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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **91**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Recycled metal content at CR level **0**

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Compliant with Exemptions**

SCIP Number **2f58816f-3353-4612-b9dd-9acce4b9465f**

REACH Regulation [REACH Declaration](#)

Halogen content performance **Product contains halogen above thresholds**

PVC free **Yes**

Silicon free **No**

## Use Longer

### Lifetime extension

Upgradeability **Yes**

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back **No**

WEEE  **The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**

<b>Electrical durability</b>	12000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2 3000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 6000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2
<b>Mounting support</b>	Backplate
<b>Upside connection</b>	Front
<b>Downside connection</b>	Front
<b>Connection pitch</b>	45 mm
<b>Protection type</b>	Without protection
<b>Width (W)</b>	140 mm
<b>Height (H)</b>	255 mm
<b>Depth (D)</b>	110 mm

## Environment

<b>Standards</b>	EN/IEC 60947-2 UL 60947-4-1
<b>Pollution degree</b>	3 conforming to IEC 60664-1
<b>IP degree of protection</b>	IP40 conforming to IEC 60529
<b>IK degree of protection</b>	IK07 conforming to IEC 62262
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-50...85 °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>	15.100 cm
<b>Package 1 Width</b>	15.600 cm
<b>Package 1 Length</b>	29.200 cm
<b>Package 1 Weight</b>	4.424 kg
<b>Unit Type of Package 2</b>	X12
<b>Number of Units in Package 2</b>	36
<b>Package 2 Height</b>	45.000 cm
<b>Package 2 Width</b>	80.000 cm
<b>Package 2 Length</b>	120.000 cm
<b>Package 2 Weight</b>	175.000 kg

## Logistical informations

<b>Country of origin</b>	IT
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## Contractual warranty

<b>Warranty</b>	18 months
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## 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

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) 270

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Recycled metal content at CR level 0

Packaging made with recycled cardboard Yes

Packaging without single use plastic No

[EU RoHS Directive](#) Compliant with Exemptions

SCIP Number 5c8b3f64-d41d-441f-90cc-da32d0570283

REACH Regulation [REACH Declaration](#)

Halogen content performance Halogen free plastic parts product

PVC free Yes

Silicon free No

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

Take-back No

WEEE  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

# Fișă tehnică produs

Specificatii



## Eliberare tensiune cu declansator de deschidere - 277V 60Hz, 220, 240V 50/60Hz

LV429387

## Principale

Gama	ComPacT
gama de produse	ComPact NSX100...250 ComPacT NSX100...250 noua generatie ComPact NSX400...630 ComPacT NSX400...630 noua generatie ComPact NSX100...250 DC ComPacT NSX100...250 CC noua generatie ComPact NSX100...250 DC PV ComPacT NSX100...250 CC PV noua generatie ComPact NSX400...630 DC ComPacT NSX400...630 CC noua generatie ComPact NSX400...630 DC PV ComPacT NSX400...630 CC PV noua generatie
nume scurt al dispozitivului	MX
Tip produs sau componenta	Declansare la tensiune
aplicatie a dispozitivului	Control
tip tensiune declansare	Bobina de deschidere Activare declansare prin bobina de derivatie
tensiune circuit de comanda	220...240 V c.a. 50/60 Hz 208...277 V c.a. 60 Hz
Compatibilitate gama	ComPacT noua generatie (ComPacT NSX noua generatie) ComPacT noua generatie (ComPacT NSX CC noua generatie) Compact (ComPact NSX) Compact (ComPact NSX DC) Easypact (EasyPact CVS) PowerPact (PowerPact Multistandard)

## Suplimentare

Operating threshold	0.7...1.1 x Un deschidere
timp de raspuns	50 ms
tip semnal de control	Impuls Comandă meținută
durata impulsului	>= 20 ms
putere de pornire a alimentarii	10 VA
terminal auxiliar de conectare	arc 0,5...1,5 mm <sup>2</sup> (AWG 20...AWG 16)
lungimea de dezizolare a cablului	7 mm

## Unitati de ambalare

Unitate de masura pentru prima forma de impachetare	PCE
Numar unitati in prima forma de impachetare	1



Inaltime prima forma de impachetare	4,500 cm
Latime prima forma de impachetare	4,900 cm
Lungime prima forma de impachetare	6,300 cm
Greutate prima forma de impachetare	118,000 g
Unitate de masura pentru a doua forma de impachetare	BB1
Numar unitati in a doua forma de impachetare	10
Inaltime a doua forma de impachetare	7,400 cm
Latime a doua forma de impachetare	10,600 cm
Lungime a doua forma de impachetare	23,800 cm
Greutate a doua forma de impachetare	1,240 kg
Unitate de masura pentru a treia forma de impachetare	S03
Numar unitati in a treia forma de impachetare	60
Inaltime a treia forma de impachetare	30,000 cm
Latime a treia forma de impachetare	30,000 cm
Lungime a treia forma de impachetare	40,000 cm
Greutate a treia forma de impachetare	7,876 kg

## Garanție contractuală

Garantie	18 luni
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## Environmental Data

Schneider Electric isi propune sa atinga nivelul Net Zero pana in 2050 prin parteneriate la nivelul lantului de aprovizionare, materiale cu impact mai redus si circularitate, prin campania „Use Better, Use Longer, Use Again” pentru a extinde durata de viata a produselor si reciclabilitatea.

[Environmental Data explicate >](#)

[Cum evaluam sustenabilitatea produselor >](#)

### **Amprenta de mediu**

Amprenta de carbon (kg CO2 eq.) 1

Raport de mediu [Profilul ambiental al produsului](#)

### **Use Better**

#### **Materiale si ambalare**

Continut de metal reciclat 0

Pachet cu carton reciclabil Da

Ambalaj fara plastic Nu

[Directiva RoHS UE](#) Conform cu scutiile

Numar SCIP 81ad7b79-ef4f-4746-bccc-1c5b358db33b

Regulamentul REACH [Declaratia REACH](#)

Performanta continutului de halogen **Produsul contine halogen peste praguri**

Nu contine PVC Da


Nu contine silicon Nu

### **Use Again**

#### **Reambalare si refabricare**

Profil circularitate Nu sunt necesare operatii de reciclare speciale

Preluare la sfarsitul duratei de viata No

DEEE  **Produsul trebuie sa fie eliminat de pe piata din Uniunea Europeana dupa colectarea specifica a deseurilor si sa nu ajunga niciodata in pubele de gunoi**