

Product datasheet

Specifications



circuit breaker basic frame,
ComPacT NSX630N, 50 kA at 415
VAC 50/60 Hz, 630 A, without trip
unit, 3 poles

C63N3

EAN Code: 3606482002975

Main

Range	ComPacT
product name	ComPacT NSX
Device short name	NSX630N
Product or component type	Basic frame
Device application	Distribution
Poles description	3P
[In] rated current	630 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

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

Product datasheet

Specifications



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

C6336E630

EAN Code: 3606482003071

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 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	630 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 Ir (thermal protection)	Adjustable
[Ir] long-time protection pick-up adjustment range	250...630 A
Long-time protection delay adjustment type tr	Adjustable
[tr] long-time protection delay adjustment range	15...400 s at 1.5 x Ir 0.35...11 s at 7.2 x Ir 0.5...16 s at 6 x Ir
Thermal memory	20 minutes before and after tripping
Short-time protection pick-up adjustment type Isd	Adjustable
[Isd] Short-time protection pick-up adjustment range	1.5...10 x Ir
Short-time protection delay adjustment type tsd	Adjustable
[tsd] Short-time protection delay adjustment range	0...0.4 s I ² t=off 0.1...0.4 s I ² t=on

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Fișă tehnică produs

Specificatii



Bobine De Declansare La Minima Tensiune Mn-208 - 277 V 60 Hz, 220 - 240 V 50/60 Hz

LV429407

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	MN
Tip produs sau componenta	Declansare la tensiune
aplicatie a dispozitivului	Control
tip tensiune declansare	Bobina de deschidere Eliberare subtensiune
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	0.35...0.7 x Un deschidere 0.85 x Un închidere
timp de raspuns	50 ms
putere de mentinere a alimentarii	5 VA
putere de pornire a alimentarii	10 VA
terminal auxiliar de conectare	arc 0,5...1,5 mm² (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

Declinare de responsabilitate: Această documentație nu se substituie și nu trebuie utilizată pentru stabilirea adecvării sau fiabilității acestor produse pentru aplicații utilizator

Latime prima forma de impachetare	4,600 cm
Lungime prima forma de impachetare	6,000 cm
Greutate prima forma de impachetare	118,600 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	7,200 cm
Latime a doua forma de impachetare	10,400 cm
Lungime a doua forma de impachetare	23,500 cm
Greutate a doua forma de impachetare	1,252 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	7,896 kg

Garanție contractuală

Garantie	18 luni
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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.)	180
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 scutirile
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

Instantaneous protection pick-up adjustment type Ii	Adjustable
[Ii] instantaneous protection pick-up adjustment range	1.5...11 x In
Ground-fault protection pick-up adjustment type Ig	Adjustable
[Ig] ground-fault protection pick-up adjustment range	0.4...1 x In for In = 40 A 0.2...1 x In for In > 40 A Ig enable on/off
Ground-fault protection time delay adjustment type tg	Adjustable
[tg] ground-fault protection time delay adjustment range	0...0.4 s I²t=off 0.1...0.4 s I²t=on
Earth-leakage protection	Without
Zone selective interlocking ZSI	With
Local signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload
Display type	LCD display
Type of measurement	Energy meter
Communication of data	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
Electrical data recording	Maintenance indicators

Environment

Standards	EN/IEC 60947-2
Electrical shock protection class	Class II
Pollution degree	3 conforming to IEC 60947-1
IP degree of protection	IP40 conforming to IEC 60529
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	13.5 cm
Package 1 Width	17.5 cm
Package 1 Length	21.5 cm
Package 1 Weight	1.48 kg
Unit Type of Package 2	S03
Number of Units in Package 2	4
Package 2 Height	30.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm

Package 2 Weight	6.376 kg
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Logistical informations

Country of origin	FR
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Contractual warranty

Warranty	18 months
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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)	206
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

Electrical durability	6000 cycles 690 V AC 50/60 Hz In/2 conforming to IEC 60947-2 2000 cycles 690 V AC 50/60 Hz In conforming to IEC 60947-2 4000 cycles 440 V AC 50/60 Hz In conforming to IEC 60947-2 8000 cycles 440 V AC 50/60 Hz In/2 conforming to IEC 60947-2
Mounting support	Backplate
Upside connection	Front
Downside connection	Front
Connection pitch	45 mm
Protection type	Without protection
Width (W)	140 mm
Height (H)	255 mm
Depth (D)	110 mm

Environment

Standards	EN/IEC 60947-2 UL 60947-4-1
Pollution degree	3 conforming to IEC 60664-1
IP degree of protection	IP40 conforming to IEC 60529
IK degree of protection	IK07 conforming to IEC 62262
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-50...85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.100 cm
Package 1 Width	15.600 cm
Package 1 Length	29.200 cm
Package 1 Weight	4.554 kg
Unit Type of Package 2	P12
Number of Units in Package 2	36
Package 2 Height	45.000 cm
Package 2 Width	80.000 cm
Package 2 Length	120.000 cm
Package 2 Weight	179.000 kg

Logistical informations

Country of origin	IT
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Contractual warranty

Warranty	18 months
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Environmental Data

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[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Environmental footprint	
Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	488
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