

# circuit breaker ComPacT NSX100M AC/DC, 40 kA at 240 VAC, TMD trip unit 30 A, 1 pole 1d

C10M1TM030

EAN Code: 3606481995759

#### Main

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Range	ComPacT	
product name	ComPacT NSX	
Device short name	NSX100M	
Product or component type	Circuit breaker	
Device application	Distribution	
Poles description	1P	
Protected poles description	1D	
[In] rated current	30 A at 40 °C	
[Ue] rated operational voltage	277 V AC 50/60 Hz 250 V DC 50/60 Hz	
Network type	AC DC	
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	40 kA Icu at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 85 kA Icu at 250 V DC conforming to IEC 60947-2	
Performance level	M 40 kA 240 V AC	
Trip unit name	TM-D	
Trip unit technology	Thermal-magnetic	
Trip unit protection functions	Ц	
control type	Toggle	
Circuit breaker mounting mode	Fixed	

## Complementary

[Ui] rated insulation voltage	750 V AC 50/60 Hz conforming to IEC 60947-2	
[Uimp] rated impulse withstand voltage	8 kV conforming to IEC 60947-2	
[lcs] rated service short-circuit breaking capacity	40 kA at 220/240 V AC 50/60 Hz conforming to IEC 60947-2 85 kA at 250 V DC conforming to IEC 60947-2	
Mechanical durability	20000 cycles	
Electrical durability	20000 cycles at 277 V In/2 10000 cycles at 277 V In	
Power dissipation per pole	4.03 W	

Mounting support	Backplate
Mounting position	Horizontal and vertical Flat on the back
Upside connection	Front
Downside connection	Front
Connection pitch	35 mm
Protection type	L : for overload protection (thermal) I : for short-circuit protection (magnetic)
Trip unit rating	30 A at 40 °C
Long-time pick-up adjustment type Ir (thermal protection)	Fixed
[Ir] long-time protection pick-up adjustment range	1 x ln
Long-time protection delay adjustment type tr	Fixed
Instantaneous protection pick-up adjustment type li	Fixed
[li] instantaneous protection pick- up adjustment range	300 A
Earth-leakage protection	Without
Width (W)	35 mm
Height (H)	161 mm
Depth (D)	86 mm
Product weight	0.7 kg

## **Environment**

Standards	EN/IEC 60947-2	
Overvoltage category	Class II	
Electrical shock protection class	Class II	
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	-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	4.200 cm
Package 1 Width	13.000 cm
Package 1 Length	17.500 cm
Package 1 Weight	739.000 g
Unit Type of Package 2	S03
Number of Units in Package 2	12

Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	9.270 kg

## **Logistical informations**

Country of origin P

## **Contractual warranty**

Warranty 18 months



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)	25
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

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	3874e08b-fcb8-4aa9-87c4-d36abebf2833
REACh Regulation	REACh Declaration
Halogen content performance	Product contains halogen above thresholds
PVC free	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

## **Technical Illustration**

## Assembly's dimensions



