

circuit breaker ComPacT NSXm N (50 kA at 415 VAC), 4P 4d, 100 A rating Micrologic 4.1 trip unit, EverLink connectors

C11N44V100L

EAN Code: 3606481992901

Main

Range	ComPacT	
product name	ComPacT NSXm	
Range of product	ComPacT NSXm	
Device short name	NSXm 160N	
Product or component type	Earth leakage circuit breaker	
Device application	Distribution	
Poles description	4P	
Protected poles description	4D	
Neutral position	Left	
[In] rated current	100 A at 40 °C	
[Ue] rated operational voltage	440 V AC 50/60 Hz	
Network type	AC	
Network frequency	50/60 Hz	
Suitability for isolation	Yes conforming to IEC 60947-2	
Utilisation category	Category A	
[lcu] rated ultimate short-circuit breaking capacity	90 kA Icu at 220240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA Icu at 380415 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 25 kA Icu at 500 V AC 50/60 Hz conforming to IEC 60947-2 15 kA Icu at 525 V AC 50/60 Hz conforming to IEC 60947-2 10 kA Icu at 660690 V AC 50/60 Hz conforming to IEC 60947-2	
Performance level	N 50 kA 415 V AC	
Trip unit name	MicroLogic 4.1	
Trip unit technology	Electronic	
Trip unit protection functions	LSoIR	
control type	Toggle	
Circuit breaker mounting mode	Fixed	

Complementary

[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	8 kV

[Ics] rated service short-circuit breaking capacity	90 kA at 220240 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 380415 V AC 50/60 Hz conforming to IEC 60947-2 50 kA at 440 V AC 50/60 Hz conforming to IEC 60947-2 25 kA at 500 V AC 50/60 Hz conforming to IEC 60947-2 15 kA at 525 V AC 50/60 Hz conforming to IEC 60947-2 2.5 kA at 660690 V AC 50/60 Hz conforming to IEC 60947-2	
Mechanical durability	20000 cycles	
Electrical durability	20000 cycles at 440 V In/2 10000 cycles at 440 V In 10000 cycles at 690 V In/2 5000 cycles at 690 V In	
Power dissipation per pole	4.8 W	
Mounting support	Backplate	
Mounting position	Horizontal and vertical Flat on the back	
Upside connection	Front	
Downside connection	Front	
Connection terminals	1 Everlink lug wire size 2.570 mm², fine stranded copper 1 Everlink lug wire size 2.595 mm², rigid or stranded aluminium/copper	
Connection pitch	35 mm with spreaders 27 mm without spreaders	
9 mm pitches	12 module	
Trip unit rating	100 A at 40 °C	
Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings	
[Ir] long-time protection pick-up adjustment range	40100 A	
Long-time protection delay adjustment type tr	Fixed	
[tr] long-time protection delay adjustment range	200 s at 1.5 x lr 8 s at 6 x lr 5 s at 7.2 x lr	
Neutral protection settings	1 x lr (4D)	
Thermal memory	20 minutes before and after tripping	
Short-time protection pick-up adjustment type Isd	Adjustable 9 settings	
[Isd] Short-time protection pick- up adjustment range	1.510 x lr	
Short-time protection delay adjustment type tsd	Fixed	
Instantaneous protection pick-up adjustment type li	Fixed	
[li] instantaneous protection pick- up adjustment range	1500 A	
Earth-leakage protection	Integrated	
Earth-leakage protection class	Class A Class AC	
Earth-leakage protection sensitity adjustment type l∆n	Adjustable	
[IΔn] earth-leakage protection sensitivity adjustment range	30 mA 100 mA 300 mA 500 mA 1 A 3 A 5 A	

Earth-leakage sensitivity	30 mA for class A
	100 mA for class A
	300 mA for class A
	500 mA for class A
	1 A for class A
	30 mA for class AC
	100 mA for class AC
	300 mA for class AC
	500 mA for class AC
	1 A for class AC
	3 A for class AC
	5 A for class AC
Earth-leakage protection time delay adjustement type Δt	Adjustable
$[\Delta t]$ Earth-leakage protection time delay adjustment range	0 ms
	60 ms
	150 ms
	500 ms
	1000 ms
Number of slots for electrical	1 slot(s) for auxiliary switch OF
auxiliaries	1 slot(s) for alarm switch SD
	1 slot(s) for voltage release MN or MX
Local signalling	Flag (green) for presence of auxiliary contacts
Width (W)	108 mm
Height (H)	144 mm
Depth (D)	80 mm
Product weight	1.63 kg
Colour	Grey (RAL 7016)

Environment

Standards	EN/IEC 60947
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	-4085 °C
Relative humidity	095 %
Operating altitude	2000 m without derating 5000 m with derating

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	15.0 cm
Package 1 Width	13.0 cm
Package 1 Length	19.0 cm
Package 1 Weight	1.816 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	7.642 kg

Logistical informations

Country of origin

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)	101
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	Af3d4202-1697-430d-83ec-d7a972ac0ddb
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









Technical Illustration

Assembly's dimensions



