

trip unit MicroLogic 4.2 AL for ComPacT NSX 100/160/250 circuit breakers, electronic, rating 40A, 4 poles 4d

C1044A040

EAN Code: 3606481993960

Main

Range	ComPacT new generation
Range of product	ComPacT NSX100250
Product or component type	Trip unit
Trip unit name	MicroLogic 4.2 AL
Trip unit technology	Electronic
Range compatibility	ComPacT NSX160 ComPacT NSX100 ComPacT NSX250
Device application	Distribution
Poles description	4P
Protected poles description	3D + N/2 4D 3D
Neutral position	Left
Trip unit protection functions	LSol
Protection type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection
Trip unit rating	40 A at 40 °C
[Ue] rated operational voltage	440 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 9 settings
[Ir] long-time protection pick-up adjustment range	1840 A
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	11 s at 7.2 x lr 16 s at 6 x lr 400 s at 1.5 x lr
Neutral protection settings	0.5 x lr (3D + N/2) 1 x lr (4D) No protection (3D)
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	1.510 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	600 A
Earth-leakage protection	Integrated
Earth-leakage protection class	Class A
Earth-leakage protection sensitity adjustment type I∆n	Adjustable
[I∆n] earth-leakage protection sensitivity adjustment range	0.03 A 0.1 A 0.3 A 0.5 A 1 A 3 A 5 A
Earth-leakage protection specific mode	OFF using the IΔn rotary switch
Earth-leakage protection time delay adjustement type Δt	Adjustable
[∆t] Earth-leakage protection time delay adjustment range	0 ms 60 ms 150 ms 500 ms 1 s
Zone selective interlocking ZSI	Without
Local signalling	Flashing LED (green) for ready to operate LED 105 % Ir (red) for overload LED 90 % Ir (orange) for overload Color indicator (yellow) for residual current

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	-2570 °C
Ambient air temperature for storage	-4085 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	9.5 cm
Package 1 Width	11.0 cm
Package 1 Length	15.0 cm
Package 1 Weight	772.0 g
Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Height	30.0 cm

Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	8 092 kg

Logistical informations

Country of origin C

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)	10
Environmental Disclosure	Product Environmental Profile

Use Better

⊗ Materials and Substances	
Recycled metal content at CR level	0
EU RoHS Directive	Compliant with Exemptions
REACh Regulation	REACh Declaration
Halogen content performance	Product contains halogen above thresholds
Silicon free	No

Use Longer

Ů Lifetime extension		
Upgradeability	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