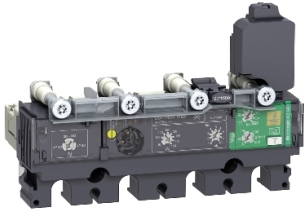


Product data sheet

Specifications



trip unit MicroLogic 4.2 AB for ComPact NSX 160/250 circuit breakers, electronic, rating 160 A, 4 poles 4d

LV433809

Main

Range	ComPact
Range of product	ComPact NSX100...250
Product or component type	Trip unit
Trip unit name	MicroLogic 4.2 AB
Trip unit technology	Electronic
Range compatibility	ComPact NSX160 ComPact NSX250
Device application	Special application
Number of poles	4P
Protected poles description	3t + N/2 3t 4t
Neutral position	Left
Trip unit protection functions	LSolR
Protection type	L : for overload protection (long time) So : for short time short-circuit protection with fixed delay I : for instantaneous short-circuit protection R : for earth-leakage protection
Trip unit rated current	160 A at 40 °C
[Ue] rated operational voltage	440 V AC 50/60 Hz
Network type	AC
Network frequency	50/60 Hz

Complementary

Long-time pick-up adjustment type Ir (thermal protection)	Adjustable 9 settings
[Ir] long-time protection pick-up adjustment range	90...160 A
Long-time protection delay adjustment type tr	Fixed
[tr] long-time protection delay adjustment range	0.35 s at 7.2 x Ir 0.5 s at 6 x Ir 15 s at 1.5 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	Fixed

List Price displayed is VAT EXCLUSIVE.

[tsd] Short-time protection delay adjustment range	0.02 s
Instantaneous protection pick-up adjustment type Ii	Fixed
[Ii] instantaneous protection pick-up adjustment range	1600 A
Earth-leakage protection	Integrated
Earth-leakage protection class	Class A
Earth-leakage protection sensitivity adjustment type IΔn	Adjustable
[IΔn] earth-leakage protection sensitivity adjustment range	100 mA 30 mA 500 mA 3 A 300 mA 5 A 1 A
Earth-leakage protection specific mode	OFF using the IΔn rotary switch
Earth-leakage protection time delay adjustment type Δt	Adjustable
[Δt] Earth-leakage protection time delay adjustment range	150 ms 0 ms 500 ms 1 s 60 ms
Neutral protection settings	0.5 x Ir (3t + N/2) 1 x Ir (4t) No protection (3t)
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	NEMA AB1 UL 508 IEC 60947-2 EN 60947-2
Product certifications	CCC EAC CB
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	10.0 cm
Package 1 Width	11.0 cm
Package 1 Length	15.0 cm
Package 1 Weight	792.0 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	8.352 kg

Contractual warranty

Warranty (in months)	18
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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

[Environmental Disclosure](#)

[Product Environmental Profile](#)

Use Better



Materials and Substances

SCIP Number

5ad92cff-0216-4762-8280-568a2ede0d2d

EU RoHS Directive

[Compliant By Exemption](#)

Use Longer



Lifetime extension

Repair

No

Use Again



Repack and remanufacture

End of life manual availability

[End of Life Information](#)

WEEE Label



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