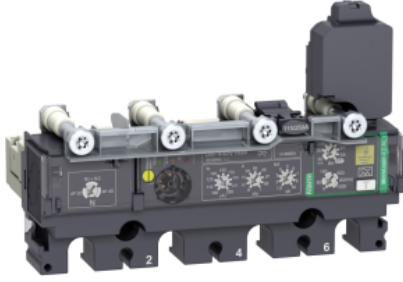# Product datasheet

Specifications

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

C1044A040

Main

Range	ComPacT new generation
Range of product	ComPacT NSX100...250 new generation
Product or component type	Control unit
Trip unit name	Micrologic 4.2 AL
Trip unit technology	Electronic
Range compatibility	ComPacT new generation NSX160 ComPacT new generation NSX100 ComPacT new generation NSX250
Device application	Distribution
Poles description	4P
Protected poles description	3t 3t + N/2 4t
Trip unit protection functions	LSoI
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	0.4...1 x In
Long-time protection delay adjustment type tr	Fixed
[Tr] long-time protection delay adjustment range	11 s at 7.2 x Ir 16 s at 6 x Ir 400 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
[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	600 A
Earth-leakage protection	Integrated
Earth-leakage protection class	Type A
[IΔn] earth-leakage protection sensitivity adjustment range	300 mA 500 mA 5 A 30 mA 100 mA 3 A 1 A
Earth-leakage protection specific mode	OFF using the IΔn rotary switch
Earth-leakage protection time delay adjustement type Δt	Adjustable
[Δt] Earth-leakage protection time delay adjustment range	150 ms 0 ms 1 s 500 ms 60 ms
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	UL 508 NEMA AB1 EN 60947-2 IEC 60947-2
Product certifications	CB CCC EAC
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 Weight	772.0 g
Package 1 Height	9.5 cm
Package 1 width	11 cm
Package 1 Length	15 cm

Unit Type of Package 2	S03
Number of Units in Package 2	10
Package 2 Weight	8.092 kg
Package 2 Height	30 cm
Package 2 width	30 cm
Package 2 Length	40 cm

Offer Sustainability

REACh Regulation	REACh Declaration
EU RoHS Directive	Compliant EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration Product out of China RoHS scope. Substance declaration for your information

Contractual warranty

Warranty	18 months