

Product datasheet

Specifications



Miniature circuit breaker (MCB), Multi9 N40N, 1P+N, 40A, C curve, 10kA (IEC/EN 60947-2)

M9P22640

⚠ Discontinued on: 19 May 2023

⚠ End-of-service on: 30 Jun 2023

⚠ Discontinued

Main

Range	Multi9
Product name	Multi9 N40
Product or component type	Miniature circuit-breaker
Device short name	N40N
Device application	Distribution
Poles description	1P + N
Number of protected poles	1
Neutral position	Left
[In] rated current	40 A at 50 °C conforming to EN/IEC 60947-2
Network type	AC
Network frequency	50/60 Hz
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu at 240 V AC 50/60 Hz between phase and neutral conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2

Complementary

[Ue] rated operational voltage	240 V AC 50/60 Hz between phase and neutral
Magnetic tripping limit	8.5 x In +/- 20 % AC
[Ics] rated service breaking capacity	7.5 kA 75 % conforming to EN/IEC 60947-2 - 240 V AC 50/60 Hz
Limitation class	3 conforming to EN/IEC 60947-2
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	4 kV conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
Local signalling	ON/OFF indication
Mounting mode	Clip-on
Mounting support	DIN rail

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

9 mm pitches	2
Height	81 mm
Width	18 mm
Depth	78 mm
Net weight	0.115 kg
Colour	Grey
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
Provision for padlocking	Padlockable
Connections - terminals	Tunnel type terminal (top or bottom)0.75...16 mm² - rigid Tunnel type terminal (top or bottom)0.33...10 mm² - flexible Tunnel type terminal (top or bottom)0.33...10 mm² - flexible with ferrule
Wire stripping length	13 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Separate block

Environment

IP degree of protection	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
Pollution degree	3 conforming to EN/IEC 60947-2
Tropicalisation	2 conforming to IEC 60068-1
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...70 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.8 cm
Package 1 Width	7.5 cm
Package 1 Length	9 cm
Package 1 Weight	119 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	7.5 cm
Package 2 Width	8.5 cm
Package 2 Length	22 cm
Package 2 Weight	1.47 kg
Unit Type of Package 3	S03
Number of Units in Package 3	72
Package 3 Height	30 cm
Package 3 Width	30 cm

Package 3 Length	40 cm
Package 3 Weight	9.307 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	
Total lifecycle Carbon footprint	32 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Carbon footprint of the manufacturing phase [A1 to A3]	0.8 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	31 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.3 kg CO2 eq.

Use Better

 Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	05e20aec-f1bc-4230-8a72-2441f4d39ee3
Halogen-free status	Halogen free product

Use Longer

 Lifetime extension	
Repair	No

Use Again

 Repack and remanufacture	
Recyclability potential, in %	53
End of life manual availability	No need of specific recycling operations
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins