Product datasheet

Specifications



EA9AN MCB, 3P, C curve, 16A, 230/400V, Icn=6kA, M5

EA9AN3C16

Discontinued on: 29 May 2024

EAN Code: 6956025101830

Discontinued

Main

Range	Easy9
Product name	EA9AN MCB
Device short name	EA9AN
Product or component type	Miniature circuit-breaker
Device application	Distribution
[In] rated current	16 A at 30 °C
Poles description	3P
Curve code	C

Complementary

[Ue] rated operational voltage	230/400 V AC 50 Hz
Network type	AC
Network frequency	50 Hz
Number of protected poles	3
Trip unit technology	Thermal-magnetic
Magnetic tripping limit	5...10 x In
Breaking capacity	6 kA Icn at 230/400 V AC 50 Hz
[Ics] rated service breaking capacity	6 kA 100 % - 400 V AC 50 Hz
Limitation class	3
[Uimp] rated impulse withstand voltage	6 kV
Suitability for isolation	Yes
Control type	Toggle
Contact position indicator	Yes
Local signalling	ON/OFF indication
Overvoltage category	IV
Mechanical durability	20000 cycles
Electrical durability	10000 cycles
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

Colour	Toggle: orange (RAL 2003) Body: silver white (Pantone 7541C) Clip: light grey (RAL 7035)
Connections - terminals	Tunnel terminal - <= 25 mm²
Tightening torque	2.5 N.m top or bottom
9 mm pitches	6
Height	81 mm
Width	53.1 mm - 0.30...0.75 mm
Depth	70 mm
Net weight	340 g

Environment

Standards	GB 10963.1 IEC 60898-1
Product certifications	CCC
Tropicalisation	2
Relative humidity	95 % at 55 °C
Ambient air temperature for operation	-30…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	5.328 cm
Package 1 Width	7.297 cm
Package 1 Length	8.473 cm
Package 1 Weight	271 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.2 cm
Package 2 Width	9.1 cm
Package 2 Length	22.3 cm
Package 2 Weight	1.09 kg
Unit Type of Package 3	CAR
Number of Units in Package 3	32
Package 3 Height	19.8 cm
Package 3 Width	29.8 cm
Package 3 Length	40.1 cm
Package 3 Weight	9.94 kg

Contractual warranty

Warranty (in months)	18

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	**75 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**3 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0.1 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**72 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.8 kg CO2 eq.**
Environmental Disclosure	**Product Environmental Profile**

Use Better

Materials and Substances

Average percentage of recycled plastic content	**18 %**
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	**Compliant**
REACh Regulation	**Free of Substances of Very High Concern above the threshold**
Halogen-free status	**Halogen free product**
Silicone-free	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**66**
End of life manual availability	**No need of specific recycling operations**
Take-back	**No**