

Product datasheet

Specifications



Miniature circuit-breaker, Acti9 iC40N, 1P+N, 16 A, C curve, 6000 A (IEC 60898-1), 10 kA (IEC 60947-2)

A9P54616

Main

Range	Acti9
Product name	Acti9 iC40
product or component type	Miniature circuit-breaker
Device short name	iC40N
Device application	Distribution
poles description	1P + N
Number of protected poles	1
Neutral position	Left
[In] rated current	16 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu at 230 V AC 50/60 Hz conforming to EN/IEC 60947-2 6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Quality labels	RCM AENOR IMQ OVE

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	230 V AC 50/60 Hz
Magnetic tripping limit	5...10 x In conforming to EN/IEC 60898-1 8 x In +/- 20 % conforming to EN/IEC 60947-2
[Ics] rated service breaking capacity	6000 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 7.5 kA 75 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60947-2
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	400 V AC 50/60 Hz conforming to EN/IEC 60947-2
[Uimp] rated impulse withstand voltage	4 kV conforming to EN/IEC 60947-2
Contact position indicator	Yes
Control type	Toggle
local signalling	ON/OFF indication Trip indicator

mounting mode	Clip-on
mounting support	DIN rail
9 mm pitches	2
Height	85 mm
Width	18 mm
Depth	74 mm
net weight	120 g
Colour	White
Mechanical durability	20000 cycles
Electrical durability	20000 cycles
Locking options description	Padlocking device
Connections - terminals	Tunnel type terminals top or bottom 1...10 mm ² flexible Tunnel type terminals top or bottom 1...16 mm ² rigid
Wire stripping length	14 mm for top or bottom connection
Tightening torque	2 N.m top or bottom
Earth-leakage protection	Separate block

Environment

Standards	EN/IEC 60898-1 EN/IEC 60947-2
Product certifications	CE BV RINA DNV
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
Relative humidity	95 % at 55 °C
Operating altitude	2000 m
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	1.800 cm
Package 1 Width	7.400 cm
Package 1 Length	9.400 cm
Package 1 Weight	115.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	8.000 cm
Package 2 Width	9.800 cm
Package 2 Length	22.500 cm

Package 2 Weight	1.450 kg
Unit Type of Package 3	S03
Number of Units in Package 3	132
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	16.437 kg

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

Well-being performance

 Mercury Free

 Rohs Exemption Information Yes

 Halogen Free Product

Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant with Exemptions

China Rohs Regulation [China RoHS declaration](#)
Product out of China RoHS scope. Substance declaration for your information

Environmental Disclosure [Product Environmental Profile](#)

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

Circularity Profile No need of specific recycling operations