Product datasheet

Specifications



Miniature circuit-breaker, Acti9 iC40N, 3P, 6 A, C curve, 6000 A (IEC 60898-1), 10 kA (IEC 60947-2)

A9P54306

Main

Range	Acti9
Product name	Acti9 iC40
Product or component type	Miniature circuit-breaker
Device short name	iC40N
Device application	Distribution
Poles description	3P
Number of protected poles	3
[In] rated current	6 A
Network type	AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10 kA Icu at 400 V AC 50/60 Hz conforming to EN/IEC 60947-2 6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1
Suitability for isolation	Yes conforming to EN/IEC 60947-2
Quality labels	OVE AENOR

Complementary

Network frequency	50/60 Hz
[Ue] rated operational voltage	400 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 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 7.5 kA 75 % x Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60947-2
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	440 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	6

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

Height	85 mm
Width	54 mm
Depth	74 mm
Net weight	340 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 mm² flexible Tunnel type terminals top or bottom 1…16 mm² 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	5.4 cm
Package 1 Width	7.4 cm
Package 1 Length	9.4 cm
Package 1 Weight	336 g
Unit Type of Package 2	BB1
Number of Units in Package 2	4
Package 2 Height	8.2 cm
Package 2 Width	9.4 cm
Package 2 Length	22.7 cm
Package 2 Weight	1.414 kg
Unit Type of Package 3	CAR
Number of Units in Package 3	48

Package 3 Height	8.2 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	17.681 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	**3 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**2 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]	**0 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

Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
SCIP Number	**26ff71d1-98cf-4280-8725-455b9a6b2fb9**
EU RoHS Directive	Compliant
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
OECD PFAS Regulation	Item contains PFAS Chemicals
POP Directive	No POPs
Halogen-free status	**Product contains halogen above thresholds**
PVC free	**Yes**
Silicone-free	**No**

Use Again

Repack and remanufacture

Recyclability potential, in %	**52**
End of life manual availability	**No need of specific recycling operations**
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins**