# **Product datasheet**

Specifications



Miniature circuit breaker (MCB), Acti9 iC40N, 1P+N, 16A, C curve, 6000A (IEC/EN 60898-1), 10kA (IEC/EN 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	С	
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	510 x In conforming to EN/IEC 60898-1 8 x In +/- 20 % conforming to EN/IEC 60947-2	
[lcs] 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 110 mm² flexible Tunnel type terminals top or bottom 116 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 ℃	
Operating altitude	2000 m	
Ambient air temperature for operation	-2570 °C	
Ambient air temperature for storage	-4085 °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

## Logistical informations

Country of origin

FR

## Lenvironmental 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  $\geq$ 

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Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)	17
Environmental Disclosure	Product Environmental Profile

#### **Use Better**

<sup>⊗</sup> Materials and Substances	
Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Compliant with Exemptions
SCIP Number	C839c050-8547-41ce-b0db-e9813554fc09
REACh Regulation	REACh Declaration

### Use Again

$\circlearrowright$ Repack and remanufacture	
Circularity Profile	No need of specific recycling operations
Take-back	No
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins