

# Product datasheet

Specifications



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

A9P54610

### 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	10 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	AENOR OVE IMQ RCM

### 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

<b>Local signalling</b>	ON/OFF indication Trip indicator
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail
<b>9 mm pitches</b>	2
<b>Height</b>	85 mm
<b>Width</b>	18 mm
<b>Depth</b>	74 mm
<b>Net weight</b>	120 g
<b>Colour</b>	White
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	20000 cycles
<b>Locking options description</b>	Padlocking device
<b>Connections - terminals</b>	Tunnel type terminals top or bottom 1...10 mm <sup>2</sup> flexible Tunnel type terminals top or bottom 1...16 mm <sup>2</sup> rigid
<b>Wire stripping length</b>	14 mm for top or bottom connection
<b>Tightening torque</b>	2 N.m top or bottom
<b>Earth-leakage protection</b>	Separate block

## Environment

<b>Standards</b>	EN/IEC 60898-1 EN/IEC 60947-2
<b>Product certifications</b>	CE BV RINA DNV
<b>IP degree of protection</b>	IP20 conforming to IEC 60529 IP40 (modular enclosure) conforming to IEC 60529
<b>Pollution degree</b>	3 conforming to EN/IEC 60947-2
<b>Relative humidity</b>	95 % at 55 °C
<b>Operating altitude</b>	2000 m
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Ambient air temperature for storage</b>	-40...85 °C

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	1.8 cm
<b>Package 1 Width</b>	7.4 cm
<b>Package 1 Length</b>	9.4 cm
<b>Package 1 Weight</b>	113.0 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	12
<b>Package 2 Height</b>	8.0 cm
<b>Package 2 Width</b>	9.8 cm
<b>Package 2 Length</b>	22.5 cm

Package 2 Weight	1.419 kg
Unit Type of Package 3	S03
Number of Units in Package 3	132
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	16.437 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
Sustainable packaging	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	<a href="#">Yes</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Halogen content performance	Halogen free product

## Recommended replacement(s)