

# Product datasheet

Specifications



Miniature circuit breaker (MCB), Acti9 iC60N, 4P, 4A, C curve, 6000A (IEC 60898-1), 50kA (IEC 60947-2), double term.

A9F04404

## Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	IC60N
Poles description	4P
Number of protected poles	4
[In] rated current	4 A
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1 50 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 50 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 25 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 250 V DC conforming to EN/IEC 60947-2
Utilisation category	Category A conforming to EN 60898-1 Category A conforming to IEC 60898-1
Suitability for isolation	Yes conforming to EN 60898-1 Yes conforming to EN 60947-2 Yes conforming to IEC 60898-1 Yes conforming to IEC 60947-2
Standards	EN 60947-2 IEC 60898-1 IEC 60947-2 EN 60898-1

## Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	50 kA 100 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 50 kA 100 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 50 kA 100 % conforming to EN 60947-2 - 380...415 V AC 50/60 Hz 25 kA 100 % conforming to EN 60947-2 - 440 V AC 50/60 Hz 50 kA 100 % conforming to IEC 60947-2 - 380...415 V AC 50/60 Hz 25 kA 100 % conforming to IEC 60947-2 - 440 V AC 50/60 Hz 50 kA 100 % conforming to IEC 60947-2 - 12...133 V AC 50/60 Hz 50 kA 100 % conforming to EN 60947-2 - 12...133 V AC 50/60 Hz

6000 A 100 % conforming to EN 60898-1 - 400 V AC 50/60 Hz  
 6000 A 100 % conforming to IEC 60898-1 - 400 V AC 50/60 Hz  
 10 kA 100 % conforming to IEC 60947-2 - 180...250 V DC  
 10 kA 100 % conforming to EN 60947-2 - 180...250 V DC

<b>Limitation class</b>	3 conforming to EN 60898-1 3 conforming to IEC 60898-1
<b>[Ui] rated insulation voltage</b>	500 V AC 50/60 Hz conforming to EN 60947-2 500 V AC 50/60 Hz conforming to IEC 60947-2
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to EN 60947-2 6 kV conforming to IEC 60947-2
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>Local signalling</b>	Trip indicator
<b>Mounting support</b>	DIN rail
<b>9 mm pitches</b>	8
<b>Height</b>	91 mm
<b>Width</b>	72 mm
<b>Depth</b>	78.5 mm
<b>Net weight</b>	0.5 kg
<b>Colour</b>	White
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	10000 cycles
<b>Connections - terminals</b>	Double terminal (top or bottom) 1...25 mm <sup>2</sup> rigid Double terminal (top or bottom) 1...16 mm <sup>2</sup> flexible
<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>IP degree of protection</b>	IP20 conforming to IEC 60529 IP20 conforming to EN 60529
<b>Pollution degree</b>	3
<b>Overvoltage category</b>	IV
<b>Tropicalisation</b>	2
<b>Relative humidity</b>	95 % at 55 °C
<b>Ambient air temperature for operation</b>	-35...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>	7.5 cm
<b>Package 1 Width</b>	7.2 cm
<b>Package 1 Length</b>	9.0 cm
<b>Package 1 Weight</b>	479.0 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	3

Package 2 Height	10.0 cm
Package 2 Width	9.0 cm
Package 2 Length	22.0 cm
Package 2 Weight	1.438 kg
Unit Type of Package 3	S03
Number of Units in Package 3	33
Package 3 Height	30.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	16.305 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
China RoHS Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

## Contractual warranty

Warranty	18 months
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## Recommended replacement(s)