

# Product datasheet

Specifications



## Miniature circuit breaker (MCB), Acti9 iT60N, 3P, 50A, C curve, 6000A (IEC/EN 60898-1), 10kA (IEC/EN 60947-2)

A9F68350

! Discontinued

! Discontinued on: 19 May 2023

! End-of-service on: 30 Jun 2023

EAN Code: 3606480096709

## Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iT60
Product or component type	Miniature circuit-breaker
Device short name	iT60N
Poles description	3P
Number of protected poles	3
[In] rated current	50 A
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	36 kA Icu at 12...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 20 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at 380...415 V AC 50/60 Hz conforming to EN/IEC 60947-2 6 kA Icu at 440 V AC 50/60 Hz conforming to EN/IEC 60947-2 10 kA Icu at <= 180 V DC conforming to EN/IEC 60947-2 6000 A Icn at 400 V AC 50/60 Hz conforming to EN/IEC 60898-1
Utilisation category	Category A conforming to EN/IEC 60947-2
Suitability for isolation	Yes conforming to EN/IEC 60898-1 Yes conforming to EN/IEC 60947-2
Standards	EN/IEC 60947-2 EN/IEC 60898-1

## Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	27 kA 75 % conforming to EN/IEC 60947-2 - 12...133 V AC 50/60 Hz 15 kA 75 % conforming to EN/IEC 60947-2 - 220...240 V AC 50/60 Hz 7.5 kA 75 % conforming to EN/IEC 60947-2 - 380...415 V AC 50/60 Hz 4.5 kA 75 % conforming to EN/IEC 60947-2 - 440 V AC 50/60 Hz 10 kA 100 % conforming to EN/IEC 60947-2 - <= 180 V DC
Limitation class	3 conforming to EN/IEC 60898-1
[Ui] rated insulation voltage	500 V AC 50/60 Hz conforming to EN/IEC 60947-2

<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to EN/IEC 60947-2
<b>Contact position indicator</b>	Yes
<b>Control type</b>	Toggle
<b>Local signalling</b>	Trip indicator
<b>Mounting mode</b>	Removable comb busbar installed
<b>Mounting support</b>	DIN rail
<b>9 mm pitches</b>	6
<b>Width</b>	54 mm
<b>Colour</b>	White
<b>Connections - terminals</b>	Single terminal (top or bottom) 1...35 mm <sup>2</sup> rigid Single terminal (top or bottom) 1...25 mm <sup>2</sup> flexible
<b>Wire stripping length</b>	14 mm for top or bottom connection
<b>Tightening torque</b>	3.5 N.m top or bottom
<b>Earth-leakage protection</b>	Without

## Environment

<b>IP degree of protection</b>	IP20 B conforming to IEC 60529
<b>Pollution degree</b>	3 conforming to EN/IEC 60947-2
<b>Overvoltage category</b>	IV
<b>Tropicalisation</b>	2 conforming to EN/IEC 60068-2-78
<b>Relative humidity</b>	95 %
<b>Operating altitude</b>	0...2000 m
<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>	5.4 cm
<b>Package 1 Length</b>	9.4 cm
<b>Package 1 Weight</b>	418.611 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	4
<b>Package 2 Height</b>	8.0 cm
<b>Package 2 Width</b>	9.8 cm
<b>Package 2 Length</b>	22.5 cm
<b>Package 2 Weight</b>	1.722 kg
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	44
<b>Package 3 Height</b>	30.0 cm

---

Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	19.374 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	68 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]	65 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	1 kg CO2 eq.
Environmental Disclosure	<a href="#">Product Environmental Profile</a>

## Use Better



### Materials and Substances

EU RoHS Directive	<a href="#">Compliant By Exemption</a>
-------------------	--

## Use Longer



### Lifetime extension

Repair	No
--------	----

## Use Again



### Repack and remanufacture

Recyclability potential, in %	54
End of life manual availability	No need of specific recycling operations
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

---

