

# Product datasheet

Specifications



## iC60H - miniature circuit breaker - 1P - 50A - C curve

A9F84150

### Main

Device application	Distribution
Range	Acti9
Product name	Acti9 iC60
Product or component type	Miniature circuit-breaker
Device short name	iC60H
Poles description	1P
Number of protected poles	1
[In] rated current	50 A
Network type	DC AC
Trip unit technology	Thermal-magnetic
Curve code	C
Breaking capacity	10000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 15 kA Icu at 220...240 V AC 50/60 Hz conforming to EN/IEC 60947-2 42 kA Icu at 12...60 V AC 50/60 Hz conforming to EN/IEC 60947-2 30 kA Icu at 100...133 V AC 50/60 Hz conforming to EN/IEC 60947-2 15 kA Icu at 60...72 V DC conforming to EN/IEC 60947-2 20 kA Icu at 12...60 V DC conforming to EN/IEC 60947-2
Utilisation category	Category A conforming to EN 60947-2 Category A conforming to IEC 60947-2
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	IEC 60898-1 EN 60898-1 IEC 60947-2 EN 60947-2

### Complementary

Network frequency	50/60 Hz
Magnetic tripping limit	8 x In +/- 20 %
[Ics] rated service breaking capacity	21 kA 50 % conforming to EN 60947-2 - 12...60 V AC 50/60 Hz 7.5 kA 50 % conforming to EN 60947-2 - 220...240 V AC 50/60 Hz 21 kA 50 % conforming to IEC 60947-2 - 12...60 V AC 50/60 Hz 7.5 kA 50 % conforming to IEC 60947-2 - 220...240 V AC 50/60 Hz 7500 A 75 % conforming to EN 60898-1 - 230 V AC 50/60 Hz 7500 A 75 % conforming to IEC 60898-1 - 230 V AC 50/60 Hz 15 kA 50 % conforming to IEC 60947-2 - 100...133 V AC 50/60 Hz 15 kA 50 % conforming to EN 60947-2 - 100...133 V AC 50/60 Hz 15 kA 100 % conforming to EN 60947-2 - 72 V DC

15 kA 100 % conforming to IEC 60947-2 - 72 V DC  
 20 kA 100 % conforming to EN 60947-2 - 12...60 V DC  
 20 kA 100 % conforming to IEC 60947-2 - 12...60 V DC

**[Ui] rated insulation voltage** 500 V AC 50/60 Hz conforming to EN 60947-2  
 500 V AC 50/60 Hz conforming to IEC 60947-2

**[Uimp] rated impulse withstand voltage** 6 kV conforming to EN 60947-2  
 6 kV conforming to IEC 60947-2

**Contact position indicator** Yes

**Control type** Toggle

**Local signalling** Trip indicator

**Mounting mode** Fixed

**Mounting support** DIN rail

**Comb busbar and distribution block compatibility** Top or bottom: YES

**9 mm pitches** 2

**Height** 85 mm

**Width** 18 mm

**Depth** 78.5 mm

**Product weight** 0.215 kg

**Colour** White

**Mechanical durability** 20000 cycles

**Electrical durability** 10000 cycles

**Connections - terminals** Single terminal (top or bottom) 1...35 mm<sup>2</sup> rigid  
 Single terminal (top or bottom) 1...25 mm<sup>2</sup> flexible

**Wire stripping length** 14 mm for top or bottom connection

**Tightening torque** 3.5 N.m top or bottom

**Earth-leakage protection** Without

## Environment

**IP degree of protection** IP20 conforming to IEC 60529  
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**Pollution degree** 3 conforming to EN 60947-2  
 3 conforming to IEC 60947-2

**Overvoltage category** IV

**Tropicalisation** 2 conforming to IEC 60068-1

**Relative humidity** 95 % at 55 °C

**Operating altitude** 0...2000 m

**Ambient air temperature for operation** -35...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** 1.8 cm

**Package 1 Width** 7.6 cm

**Package 1 Length** 9.0 cm

**Package 1 Weight** 135.0 g

Unit Type of Package 2	BB1
Number of Units in Package 2	12
Package 2 Height	7.8 cm
Package 2 Width	9.7 cm
Package 2 Length	22.0 cm
Package 2 Weight	1.672 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	18.916 kg

## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
REACH free of SVHC	Yes
EU RoHS Directive	Compliant <a href="#">EU RoHS Declaration</a>
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	<a href="#">Yes</a>
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	12 months
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## Recommended replacement(s)