

# Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iC60H3, 3P+N<sub>s</sub>, C Curve, 16A, 30mA, A type, 10000A

A9DC1916

## Main

Circuit breaker application	Distribution
Range	Acti9
Product name	Acti9 iC60 RCBO
Product or component type	Residual current breaker with overcurrent protection (RCBO)
Device short name	iC60H3 RCBO
Poles description	3P + N <sub>s</sub>
[In] rated current	16 A at 30 °C
Earthing system	TN
Curve code	C
Earth-leakage sensitivity	30 mA
Breaking capacity	10000 A I <sub>cn</sub> at 400/415 V

## Complementary

Neutral position	Left
Number of protected poles	3
Device location in system	Outgoer
Network frequency	50/60 Hz
Network type	AC
Trip unit technology	Thermal-magnetic
[U <sub>e</sub> ] rated operational voltage	400/415 V
Residual current tripping technology	Voltage dependent
Earth-leakage protection time delay	Instantaneous
Earth-leakage protection class	Type A
[I <sub>cw</sub> ] rated short-time withstand current	I <sub>cw</sub> : 250 A during 8/20 μs impulse withstand
[I <sub>cs</sub> ] rated service breaking capacity	7500 A
Limitation class	3
[U <sub>i</sub> ] rated insulation voltage	500 V
[U <sub>imp</sub> ] rated impulse withstand voltage	4 kV
Surge current	250 A
Suitability for isolation	Yes conforming to IEC 61009-1

<b>Control type</b>	Toggle
<b>Local signalling</b>	ON/OFF indication
<b>Mounting mode</b>	Clip-on
<b>Mounting support</b>	DIN rail Chassis
<b>Comb busbar and distribution block compatibility</b>	YES
<b>9 mm pitches</b>	6
<b>Height</b>	112 mm
<b>Width</b>	54 mm
<b>Depth</b>	77.2 mm
<b>Net weight</b>	462 g
<b>Colour</b>	White
<b>Mechanical durability</b>	20000 cycles
<b>Electrical durability</b>	5000 cycles
<b>Provision for padlocking</b>	Padlockable with padlock Ø 4 mm Lead seal
<b>Locking options description</b>	ON/OFF locking facilities
<b>Connections - terminals</b>	Screw clamp terminal (top) 1...25 mm <sup>2</sup> rigid without cable end Screw clamp terminal (top) 1...16 mm <sup>2</sup> flexible
<b>Wire stripping length</b>	Power circuit: 11 mm for bottom connection Power circuit: 14 mm for top connection
<b>Tightening torque</b>	Power circuit: 2.5 N.m top Power circuit: 2.5 N.m bottom
<b>Earth-leakage protection</b>	Integrated
<b>Test button operating voltage</b>	260...457 V
<b>Operating voltage for protection against earth leakage</b>	150...457 V
<b>Grid distance</b>	45 mm
<b>Locking options description</b>	Handle sealable with cable diameter 1.4mm in OFF or ON position

## Environment

<b>Standards</b>	AS/NZS 61009.1 IEC 61009-1 IEC 61009-2-2
<b>IP degree of protection</b>	IP20
<b>Tropicalisation</b>	2
<b>Relative humidity</b>	95 % at 55 °C
<b>Ambient air temperature for operation</b>	-5...60 °C
<b>Ambient air temperature for storage</b>	-25...70 °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>	12.7 cm
<b>Package 1 Width</b>	6.6 cm

<b>Package 1 Length</b>	9 cm
<b>Package 1 Weight</b>	539 g
<b>Unit Type of Package 2</b>	S02
<b>Number of Units in Package 2</b>	16
<b>Package 2 Height</b>	15 cm
<b>Package 2 Width</b>	30 cm
<b>Package 2 Length</b>	40 cm
<b>Package 2 Weight</b>	9.376 kg

## Sustainability

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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Reach Free Of Svhc

Rohs Exemption Information Yes

## Certifications & Standards

Reach Regulation [REACH Declaration](#)

Eu Rohs Directive Compliant  
[EU RoHS Declaration](#)

China Rohs Regulation [China RoHS declaration](#)  
Pro-active China RoHS declaration (out of China RoHS legal scope)

Environmental Disclosure [Product Environmental Profile](#)

Circularity Profile [End of Life Information](#)