

# Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iC60H3, 3P+N<sub>s</sub>, C Curve, 40A, 100mA, A type, 10000A

A9DC2940

## 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	40 A at 30 °C
Earthing system	TN
Curve code	C
Earth-leakage sensitivity	100 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

<b>[Uimp] rated impulse withstand voltage</b>	4 kV
<b>Surge current</b>	250 A
<b>Suitability for isolation</b>	Yes
<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>	340...440 V

## 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

Package 1 Weight	539 g
Unit Type of Package 2	S02
Number of Units in Package 2	16
Package 2 Height	15 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	9.376 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>
China RoHS Regulation	<a href="#">China RoHS declaration</a> Pro-active China RoHS declaration (out of China RoHS legal scope)
RoHS exemption information	Yes
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>

## Recommended replacement(s)