

# Product data sheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iC60, 4P, 20A, C curve, 6000A/6kA, A type, 300mA

A9D52420

## Main

Range	Acti9
Product Name	Acti9 iC60 RCBO
Product Or Component Type	Residual current breaker with overcurrent protection (RCBO)
Device Short Name	iC60 RCBO
Device Application	Distribution
Poles Description	4P
Number Of Protected Poles	4
[In] Rated Current	20 A
Network Type	AC
Trip Unit Technology	Thermal-magnetic
Curve Code	C
Earth-Leakage Sensitivity	300 mA
Earth-Leakage Protection Time Delay	Instantaneous
Earth-Leakage Protection Class	Type A
Breaking Capacity	6000 A Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 kA Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2
Suitability For Isolation	No conforming to IEC 60947-1
Quality Labels	NF KEMA-KEUR VDE IMQ

## Complementary

Complementary	Outgoer
Network Frequency	50 Hz
[Ue] Rated Operational Voltage	380...415 V AC 50 Hz
Magnetic Tripping Limit	5...10 x In
Residual Current Tripping Technology	Voltage independent
[Ics] Rated Service Breaking Capacity	6000 A 100 % x Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 kA 100 % x Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2
Rated Breaking And Making Capacity	Idm 6000 A at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1
Limitation Class	1 conforming to EN/IEC 61009-2-1
[Ui] Rated Insulation Voltage	500 V AC 50 Hz

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

<b>[Uimp] Rated Impulse Withstand Voltage</b>	4 kV
<b>Surge Current</b>	250 A
<b>Contact Position Indicator</b>	No
<b>Control Type</b>	Toggle
<b>Local Signalling</b>	ON, OFF, fault trip
<b>Mounting Mode</b>	Clip-on
<b>Mounting Support</b>	DIN rail
<b>Comb Busbar And Distribution Block Compatibility</b>	Top or bottom: YES Bottom: biconnect
<b>Connection Pitch</b>	9 mm between poles
<b>9 Mm Pitches</b>	8
<b>Height</b>	86 mm
<b>Width</b>	72 mm
<b>Depth</b>	78 mm
<b>Net Weight</b>	423 g
<b>Colour</b>	White
<b>Mechanical Durability</b>	20000 cycles
<b>Electrical Durability</b>	10000 cycles
<b>Connections - Terminals</b>	Tunnel type terminal top or bottom 1...35 mm² rigid Tunnel type terminal top or bottom 1...25 mm² flexible Tunnel type terminal top or bottom 1...25 mm² flexible with ferrule
<b>Wire Stripping Length</b>	12 mm for top or bottom connection
<b>Tightening Torque</b>	2 N.m
<b>Earth-Leakage Protection</b>	Integrated

## Environment

<b>Standards</b>	EN/IEC 60947-2 EN/IEC 61009-2-1
<b>Ip Degree Of Protection</b>	IP40 (distribution enclosure) conforming to IEC 60529 IP20 conforming to IEC 60529
<b>Overvoltage Category</b>	III conforming to IEC 60364
<b>Electromagnetic Compatibility</b>	8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1
<b>Tropicalisation</b>	2
<b>Relative Humidity</b>	95 % at 55 °C
<b>Ambient Air Temperature For Operation</b>	-25...60 °C
<b>Ambient Air Temperature For Storage</b>	-40...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>	8.800 cm
<b>Package 1 Width</b>	8.200 cm
<b>Package 1 Length</b>	10.200 cm

Package 1 Weight	444.000 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	3
Package 2 Height	10.000 cm
Package 2 Width	11.000 cm
Package 2 Length	25.000 cm
Package 2 Weight	1.394 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	18
Package 3 Height	30.000 cm
Package 3 Width	30.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	8.928 kg

# Sustainability

**Green Premium™ label** is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

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


[Learn more about Green Premium >](#)

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



Transparency   RoHS/REACH

## Well-being performance

 Rohs Exemption Information   [Yes](#)

## Certifications & Standards

Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Compliant with Exemptions
China Rohs Regulation	<a href="#">China RoHS declaration</a> Product out of China RoHS scope. Substance declaration for your information
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
Circularity Profile	<a href="#">End of Life Information</a>