

# Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iC60, 3P, 16A, C curve, 6000A/6kA, A type, 30mA

A9D67316

! Discontinued

## 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         | 3P                                                          |
| Number of protected poles | 3                                                           |
| [In] rated current        | 16 A                                                        |
| Network type              | AC                                                          |
| Network frequency         | 50 Hz                                                       |
| Trip unit technology      | Thermal-magnetic                                            |
| Curve code                | C                                                           |
| Earth-leakage sensitivity | 30 mA                                                       |
| Suitability for isolation | No conforming to IEC 60947-1                                |
| Quality labels            | NF<br>KEMA-KEUR<br>IMQ<br>VDE                               |

## Complementary

|                                       |                                                                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| Device location in system             | Outgoer                                                                                                                                            |
| [Ue] rated operational voltage        | 380...415 V AC 50 Hz                                                                                                                               |
| Magnetic tripping limit               | 5...10 x In                                                                                                                                        |
| Residual current tripping technology  | Voltage independent                                                                                                                                |
| 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<br>6 kA Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2                 |
| [Ics] rated service breaking capacity | 6000 A 100 % x Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1<br>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                                                                                                                   |

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

|                                                  |                                                                                                                                                                                      |
|--------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage                    | 500 V AC 50 Hz                                                                                                                                                                       |
| [Uimp] rated impulse withstand voltage           | 4 kV                                                                                                                                                                                 |
| Surge current                                    | 250 A                                                                                                                                                                                |
| Contact position indicator                       | No                                                                                                                                                                                   |
| Control type                                     | Toggle                                                                                                                                                                               |
| Local signalling                                 | ON, OFF, fault trip                                                                                                                                                                  |
| Mounting mode                                    | Clip-on                                                                                                                                                                              |
| Mounting support                                 | DIN rail                                                                                                                                                                             |
| Comb busbar and distribution block compatibility | Top or bottom: YES<br>Bottom: biconnect                                                                                                                                              |
| Connection pitch                                 | 9 mm between poles                                                                                                                                                                   |
| 9 mm pitches                                     | 6                                                                                                                                                                                    |
| Height                                           | 86 mm                                                                                                                                                                                |
| Width                                            | 54 mm                                                                                                                                                                                |
| Depth                                            | 78 mm                                                                                                                                                                                |
| Net weight                                       | 334 g                                                                                                                                                                                |
| Colour                                           | White                                                                                                                                                                                |
| Mechanical durability                            | 20000 cycles                                                                                                                                                                         |
| Electrical durability                            | 10000 cycles                                                                                                                                                                         |
| Connections - terminals                          | Tunnel type terminal top or bottom 1...35 mm² rigid<br>Tunnel type terminal top or bottom 1...25 mm² flexible<br>Tunnel type terminal top or bottom 1...25 mm² flexible with ferrule |
| Wire stripping length                            | 12 mm for top or bottom connection                                                                                                                                                   |
| Tightening torque                                | 2 N.m                                                                                                                                                                                |
| Earth-leakage protection                         | Integrated                                                                                                                                                                           |

## Environment

|                                       |                                                                                       |
|---------------------------------------|---------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-2<br>EN/IEC 61009-2-1                                                    |
| IP degree of protection               | IP40 (distribution enclosure) conforming to IEC 60529<br>IP20 conforming to IEC 60529 |
| Overvoltage category                  | III conforming to IEC 60364                                                           |
| Electromagnetic compatibility         | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1                       |
| Tropicalisation                       | 2                                                                                     |
| Relative humidity                     | 95 % at 55 °C                                                                         |
| Ambient air temperature for operation | -25...60 °C                                                                           |
| Ambient air temperature for storage   | -40...70 °C                                                                           |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 8.000 cm |
| Package 1 Width              | 6.000 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Length             | 9.800 cm  |
| Package 1 Weight             | 331.000 g |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 4         |
| Package 2 Height             | 10.000 cm |
| Package 2 Width              | 11.500 cm |
| Package 2 Length             | 25.000 cm |
| Package 2 Weight             | 1.393 kg  |
| Unit Type of Package 3       | S03       |
| Number of Units in Package 3 | 24        |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 9.004 kg  |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|

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

Environmental Disclosure

[Product Environmental Profile](#)

Use Better

|  Materials and Substances |                                      |
|------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Packaging made with recycled cardboard                                                                     | No                                   |
| Packaging without single use plastic                                                                       | Yes                                  |
| SCIP Number                                                                                                | A7b24ae6-2312-4e67-b7c9-56fce3e8c723 |

Use Longer

|  Lifetime extension |    |
|------------------------------------------------------------------------------------------------------|----|
| Repair                                                                                               | No |

Use Again

|  Repack and remanufacture |                                                                                                                                                                                                                 |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability                                                                              | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                                                                                                    | No                                                                                                                                                                                                              |
| WEEE Label                                                                                                   |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |