

# Product datasheet

Specifications



residual current breaker with  
overcurrent protection (RCBO),  
Acti9 iCV40, 1P+N, 20 A, C Curve,  
10000 A, 30 mA, A type

A9DC4620

EAN Code: 3606489444617

## Main

|                           |                                                             |
|---------------------------|-------------------------------------------------------------|
| Range                     | Acti9                                                       |
| product name              | Acti9 iCV40                                                 |
| Product or component type | Residual current breaker with overcurrent protection (RCBO) |
| Device short name         | iCV40H                                                      |
| Device application        | Distribution                                                |
| Poles description         | 1P + N                                                      |
| Number of protected poles | 1                                                           |
| Neutral position          | Left                                                        |
| [In] rated current        | 20 A                                                        |
| Network type              | AC                                                          |
| Network frequency         | 50/60 Hz                                                    |
| Trip unit technology      | Thermal-magnetic                                            |
| Curve code                | C                                                           |
| Earth-leakage sensitivity | 30 mA                                                       |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2                            |
| Quality labels            | EAC<br>KEMA-KEUR<br>VDE<br>OVE                              |

## Complementary

|                                       |                                                                                                                                                  |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------|
| Device location in system             | Outgoer                                                                                                                                          |
| [Ue] rated operational voltage        | 230 V AC 50/60 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                     | 10000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1                                                                                  |
| [Ics] rated service breaking capacity | 7500 A 75 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1                                                                            |
| Rated breaking and making capacity    | I <sub>dm</sub> 6000 A at 230 V AC 50/60 Hz conforming to EN 61009-2-1<br>I <sub>dm</sub> 500 A at 230 V AC 50/60 Hz conforming to IEC 61009-2-1 |
| Limitation class                      | 3 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                    | 400 V AC 50/60 Hz                                                                                               |
| [Uimp] rated impulse withstand voltage           | 4 kV                                                                                                            |
| Contact position indicator                       | Yes                                                                                                             |
| control type                                     | Toggle                                                                                                          |
| Local signalling                                 | ON/OFF indication<br>Fault indication                                                                           |
| Mounting mode                                    | Clip-on                                                                                                         |
| Mounting support                                 | DIN rail                                                                                                        |
| Comb busbar and distribution block compatibility | Top or bottom: tooth                                                                                            |
| Connection pitch                                 | 9 mm between phase and neutral                                                                                  |
| 9 mm pitches                                     | 4                                                                                                               |
| Height                                           | 85 mm                                                                                                           |
| Width                                            | 36 mm                                                                                                           |
| Depth                                            | 73 mm                                                                                                           |
| Product weight                                   | 210 g                                                                                                           |
| Colour                                           | White                                                                                                           |
| Mechanical durability                            | 20000 cycles                                                                                                    |
| Electrical durability                            | 20000 cycles                                                                                                    |
| Locking options description                      | Padlocking device<br>Sealable                                                                                   |
| Connections - terminals                          | Tunnel type terminals top or bottom 1...16 mm² rigid<br>Tunnel type terminals top or bottom 1...10 mm² flexible |
| Wire stripping length                            | 14 mm for top or bottom connection                                                                              |
| Tightening torque                                | 2 N.m top or bottom                                                                                             |
| Earth-leakage protection                         | Integrated                                                                                                      |

## Environment

|                                       |                                                                                  |
|---------------------------------------|----------------------------------------------------------------------------------|
| Standards                             | EN/IEC 61009-2-1                                                                 |
| Product certifications                | CE                                                                               |
| IP degree of protection               | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree                      | 3                                                                                |
| Overvoltage category                  | III conforming to IEC 60364                                                      |
| Electromagnetic compatibility         | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-1                    |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| Operating altitude                    | 2000 m                                                                           |
| Ambient air temperature for operation | -25...60 °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             | 4.500 cm   |
| Package 1 Width              | 8.000 cm   |
| Package 1 Length             | 10.000 cm  |
| Package 1 Weight             | 221.000 g  |
| Unit Type of Package 2       | S03        |
| Number of Units in Package 2 | 54         |
| Package 2 Height             | 30.000 cm  |
| Package 2 Width              | 30.000 cm  |
| Package 2 Length             | 40.000 cm  |
| Package 2 Weight             | 12.351 kg  |
| Unit Type of Package 3       | P12        |
| Number of Units in Package 3 | 432        |
| Package 3 Height             | 45.000 cm  |
| Package 3 Width              | 80.000 cm  |
| Package 3 Length             | 120.000 cm |
| Package 3 Weight             | 110.808 kg |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | ES |
|-------------------|----|

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Environmental Data

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 |                                               |
|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------|
| Carbon footprint (kg.eq.CO2 per CR, Total Life cycle)                                                     | 30                                            |
| Environmental Disclosure                                                                                  | <a href="#">Product Environmental Profile</a> |

Use Better

|  Materials and Substances |                                      |
|------------------------------------------------------------------------------------------------------------|--------------------------------------|
| Packaging made with recycled cardboard                                                                     | No                                   |
| Packaging without single use plastic                                                                       | Yes                                  |
| <a href="#">EU RoHS Directive</a>                                                                          | Compliant with Exemptions            |
| SCIP Number                                                                                                | 53102031-f1ed-4dc4-9aa4-5fd743a372f1 |
| REACH Regulation                                                                                           | <a href="#">REACH Declaration</a>    |

Use Again

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