

# A9DH3632

residual current breaker with overcurrent protection (RCBO), Acti9 iCV40, 1P+N, 32 A, B Curve, 6000 A, 30 mA, AC type



## Main

|                                     |                                                                |
|-------------------------------------|----------------------------------------------------------------|
| Range                               | Acti9                                                          |
| Product name                        | Acti9 iCV40                                                    |
| Product or component type           | Residual current breaker with overcurrent protection (RCBO)    |
| Device short name                   | ICV40N                                                         |
| Device application                  | Distribution                                                   |
| Poles description                   | 1P + N                                                         |
| Number of protected poles           | 1                                                              |
| Neutral position                    | Left                                                           |
| [In] rated current                  | 32 A                                                           |
| Network type                        | AC                                                             |
| Trip unit technology                | Thermal-magnetic                                               |
| Curve code                          | B                                                              |
| Earth-leakage sensitivity           | 30 mA                                                          |
| Earth-leakage protection time delay | Instantaneous                                                  |
| Earth-leakage protection class      | Type AC                                                        |
| Breaking capacity                   | 6000 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1 |
| Suitability for isolation           | Yes conforming to EN/IEC 60947-2                               |
| Quality labels                      | EAC                                                            |

## Complementary

|                                      |                     |
|--------------------------------------|---------------------|
| Device location in system            | Outgoer             |
| Network frequency                    | 50/60 Hz            |
| [Ue] rated operational voltage       | 230 V AC 50/60 Hz   |
| Magnetic tripping limit              | 3...5 x In          |
| Residual current tripping technology | Voltage independent |

|                                                  |                                                                                                                                         |
|--------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] rated service breaking capacity            | 6000 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1                                                                  |
| Rated breaking and making capacity               | Idm 6000 A at 230 V AC 50/60 Hz conforming to EN 61009-2-1<br>Idm 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                                                                                                        |
| [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                                                                                                                    |
| 9 mm pitches                                     | 4                                                                                                                                       |
| Height                                           | 85 mm                                                                                                                                   |
| Width                                            | 36 mm                                                                                                                                   |
| Depth                                            | 73 mm                                                                                                                                   |
| Net weight                                       | 210 g                                                                                                                                   |
| Colour                                           | White                                                                                                                                   |
| Mechanical durability                            | 20000 cycles                                                                                                                            |
| Electrical durability                            | 10000 cycles                                                                                                                            |
| Locking options description                      | Padlocking device<br>Sealable                                                                                                           |
| Connections - terminals                          | Tunnel type terminals top or bottom 1...16 mm <sup>2</sup> rigid<br>Tunnel type terminals top or bottom 1...10 mm <sup>2</sup> 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 61009-2-1                  |
| Relative humidity                     | 95 % at 55 °C                                                                    |
| Operating altitude                    | 2000 m                                                                           |
| Ambient air temperature for operation | -5...60 °C                                                                       |
| Ambient air temperature for storage   | -40...85 °C                                                                      |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.210 kg |
| Package 1 Height | 0.400 dm |
| Package 1 width  | 0.820 dm |
| Package 1 Length | 1.000 dm |

## Offer Sustainability

|                          |                                                  |
|--------------------------|--------------------------------------------------|
| Sustainable offer status | Green Premium product                            |
| EU RoHS Directive        | Compliant<br><a href="#">EU RoHS Declaration</a> |
| Mercury free             | Yes                                              |

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| RoHS exemption information | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>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 |