

Product datasheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iCV40, 1P+N, 16A, C curve, 4500A, AC type, 300mA

A9DE6616

Main

| | |
|---------------------------|---|
| Range | Acti9 |
| Product name | Acti9 iCV40 |
| Product or component type | Residual current breaker with overcurrent protection (RCBO) |
| Device short name | iCV40 |
| Device application | Distribution |
| Poles description | 1P + N |
| Number of protected poles | 1 |
| Neutral position | Left |
| [In] rated current | 16 A |
| Network type | AC |
| Network frequency | 50/60 Hz |
| Trip unit technology | Thermal-magnetic |
| Curve code | C |
| Earth-leakage sensitivity | 300 mA |
| Suitability for isolation | Yes conforming to EN/IEC 60947-2 |
| Quality labels | VDE |

Complementary

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|--|--|
| 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 AC |
| Breaking capacity | 4500 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1 |
| [Ics] rated service breaking capacity | 4500 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 61009-2-1 |
| Rated breaking and making capacity | I _{dm} 4500 A at 230 V AC 50/60 Hz conforming to EN 61009-2-1 I _{dm} 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 |

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|--|---|
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | Fault indication ON/OFF 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 |
| Net weight | 210 g |
| Colour | White |
| Mechanical durability | 20000 cycles |
| Electrical durability | 20000 cycles |
| Locking options description | Padlocking device Sealable |
| Connections - terminals | Tunnel type terminals top or bottom 1...16 mm ² rigid Tunnel type terminals top or bottom 1...10 mm ² 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 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

| | |
|------------------------------|---------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 4.0 cm |
| Package 1 Width | 8.2 cm |
| Package 1 Length | 10.0 cm |

| | |
|-------------------------------------|------------|
| Package 1 Weight | 203 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 54 |
| Package 2 Height | 30.0 cm |
| Package 2 Width | 30.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 11.403 kg |
| Unit Type of Package 3 | P12 |
| Number of Units in Package 3 | 432 |
| Package 3 Height | 44.4 cm |
| Package 3 Width | 80 cm |
| Package 3 Length | 120 cm |
| Package 3 Weight | 103.224 kg |

Contractual warranty

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



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

| | |
|--|----------------|
| Total lifecycle Carbon footprint | 4 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.1 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.1 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 2 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.4 kg CO2 eq. |

Use Better



Materials and Substances

| | |
|--|--|
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | Yes |
| SCIP Number | Ed70c451-eb98-4beb-bfa0-d83cf974f40d |
| EU RoHS Directive | Compliant By Exemption |
| REACH Regulation | Reference contains Substances of Very High Concern above the threshold |

Use Longer



Lifetime extension

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|--------|----|
| Repair | No |
|--------|----|

Use Again



Repack and remanufacture

| | |
|---------------------------------|---|
| Recyclability potential, in % | 50 |
| End of life manual availability | End of Life Information |
| 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 |