# Product datasheet

Specifications



## Miniature circuit-breaker, Acti9 iC40, 1P+N, 16 A, C curve, 4500 A (IEC 60898-1), 6 kA (IEC 60947-2)

A9P52616

## Main

| | |
|---|---|
| **Range** | Acti9 |
| **Product name** | Acti9 iC40 |
| **Product or component type** | Miniature circuit-breaker |
| **Device short name** | iC40 |
| **Device application** | Distribution |
| **Poles description** | 1P + N |
| **Number of protected poles** | 1 |
| **Neutral position** | Left |
| **[In] rated current** | 16 A |
| **Network type** | AC |
| **Trip unit technology** | Thermal-magnetic |
| **Curve code** | C |
| **Breaking capacity** | 6 kA Icu at 230 V AC 50/60 Hz conforming to EN/IEC 60947-2<br>4500 A Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1 |
| **Suitability for isolation** | Yes conforming to EN/IEC 60947-2 |
| **Quality labels** | KEMA<br>IMQ |

## Complementary

| | |
|---|---|
| **Network frequency** | 50/60 Hz |
| **[Ue] rated operational voltage** | 230 V AC 50/60 Hz |
| **Magnetic tripping limit** | 5...10 x In conforming to EN/IEC 60898-1<br>8 x In +/- 20 % conforming to EN/IEC 60947-2 |
| **[Ics] rated service breaking capacity** | 4500 A 100 % x Icn at 230 V AC 50/60 Hz conforming to EN/IEC 60898-1<br>4.5 kA 75 % x Icu at 230 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| **Limitation class** | 3 conforming to EN/IEC 60898-1 |
| **[Ui] rated insulation voltage** | 400 V AC 50/60 Hz conforming to EN/IEC 60947-2 |
| **[Uimp] rated impulse withstand voltage** | 4 kV conforming to EN/IEC 60947-2 |
| **Contact position indicator** | Yes |
| **Control type** | Toggle |
| **Local signalling** | ON/OFF indication<br>Trip indicator |
| **Mounting mode** | Clip-on |
| **Mounting support** | DIN rail |

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

| | |
|---|---|
| **9 mm pitches** | 2 |
| **Height** | 85 mm |
| **Width** | 18 mm |
| **Depth** | 74 mm |
| **Net weight** | 120 g |
| **Colour** | White |
| **Mechanical durability** | 20000 cycles |
| **Electrical durability** | 20000 cycles |
| **Locking options description** | Padlocking device |
| **Connections - terminals** | Tunnel type terminals top or bottom 1…10 mm² flexible<br>Tunnel type terminals top or bottom 1…16 mm² rigid |
| **Wire stripping length** | 14 mm for top or bottom connection |
| **Tightening torque** | 2 N.m top or bottom |
| **Earth-leakage protection** | Separate block |

## Environment

| | |
|---|---|
| **Standards** | EN/IEC 60898-1<br>EN/IEC 60947-2 |
| **Product certifications** | CE<br>BV<br>RINA<br>DNV |
| **IP degree of protection** | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| **Pollution degree** | 3 conforming to EN/IEC 60947-2 |
| **Relative humidity** | 95 % at 55 °C |
| **Operating altitude** | 2000 m |
| **Ambient air temperature for operation** | -25…70 °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** | 7.4 cm |
| **Package 1 Width** | 1.8 cm |
| **Package 1 Length** | 9.4 cm |
| **Package 1 Weight** | 115.0 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 12 |
| **Package 2 Height** | 8.0 cm |
| **Package 2 Width** | 9.8 cm |
| **Package 2 Length** | 22.5 cm |
| **Package 2 Weight** | 1.45 kg |
| **Unit Type of Package 3** | S03 |

| | |
|---|---|
| **Number of Units in Package 3** | 132 |
| **Package 3 Height** | 30 cm |
| **Package 3 Width** | 30 cm |
| **Package 3 Length** | 40 cm |
| **Package 3 Weight** | 16.376 kg |

## Contractual warranty

| | |
|---|---|
| **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 | **17 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.9 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **16 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.3 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| SCIP Number | **C839c050-8547-41ce-b0db-e9813554fc09** |
| EU RoHS Directive | Compliant By Exemption |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| OECD PFAS Regulation | Item contains PFAS Chemicals |
| Ship Recycling Directive | Reportable |
| POP Directive | No POPs |
| Halogen-free status | **Product contains halogen above thresholds** |
| PVC free | **Yes** |
| Silicone-free | **No** |

## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **53** |
| End of life manual availability | **No need of specific recycling operations** |
| 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** |