

Product data sheet

Specifications



Miniature circuit breaker (MCB), Acti9 iC40, 1P+N, 20A, C curve, 4500A (IEC/EN 60898-1), 6kA (IEC/EN 60947-2)

A9P52620

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 | 20 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 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 | IMQ KEMA |

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 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 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 |

| | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| | Trip indicator |
| Mounting mode | Clip-on |
| Mounting support | DIN rail |
| 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 mm ² flexible Tunnel type terminals top or bottom 1...16 mm ² 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 EN/IEC 60947-2 |
| Product certifications | CE BV RINA DNV |
| IP degree of protection | IP20 conforming to IEC 60529 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 | 121.0 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 | 1.452 kg |

| | |
|-------------------------------------|-----------|
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 132 |
| Package 3 Height | 30.0 cm |
| Package 3 Width | 30.0 cm |
| Package 3 Length | 40.0 cm |
| Package 3 Weight | 16.469 kg |

Offer Sustainability

| | |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| EU RoHS Directive | Compliant EU RoHS Declaration |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| China RoHS Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| RoHS exemption information | Yes |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Halogen content performance | Halogen free product |

Recommended replacement(s)