

Product data sheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iC60, 4P, 20A, B curve, 6000A/6kA, A type, 30mA

A9D87420

Main

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|-------------------------------------|--|
| Range | Acti9 |
| Product Name | Acti9 iC60 RCBO |
| Product Or Component Type | Residual current breaker with overcurrent protection (RCBO) |
| Device Short Name | iC60 RCBO |
| Device Application | Distribution |
| Poles Description | 4P |
| Number Of Protected Poles | 4 |
| [In] Rated Current | 20 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 A |
| Breaking Capacity | 6000 A Icn at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 kA Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2 |
| Suitability For Isolation | No conforming to IEC 60947-1 |
| Quality Labels | NF VDE IMQ KEMA-KEUR |

Complementary

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|---------------------------------------|--|
| Complementary | Outgoer |
| Network Frequency | 50 Hz |
| [Ue] Rated Operational Voltage | 380...415 V AC 50 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 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 6 kA 100 % x Icu at 380...415 V AC 50 Hz conforming to EN/IEC 60947-2 |
| Rated Breaking And Making Capacity | I _{dm} 6000 A at 380...415 V AC 50 Hz conforming to EN/IEC 61009-2-1 |
| Limitation Class | 1 conforming to EN/IEC 61009-2-1 |
| [Ui] Rated Insulation Voltage | 500 V AC 50 Hz |

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

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| [Uimp] Rated Impulse Withstand Voltage | 4 kV |
| Surge Current | 250 A |
| Contact Position Indicator | No |
| Control Type | Toggle |
| Local Signalling | ON, OFF, fault trip |
| Mounting Mode | Clip-on |
| Mounting Support | DIN rail |
| Comb Busbar And Distribution Block Compatibility | Top or bottom: YES Bottom: biconnect |
| Connection Pitch | 9 mm between poles |
| 9 Mm Pitches | 8 |
| Height | 86 mm |
| Width | 72 mm |
| Depth | 78 mm |
| Net Weight | 423 g |
| Colour | White |
| Mechanical Durability | 20000 cycles |
| Electrical Durability | 10000 cycles |
| Connections - Terminals | Tunnel type terminal top or bottom 1...35 mm² rigid Tunnel type terminal top or bottom 1...25 mm² flexible Tunnel type terminal top or bottom 1...25 mm² flexible with ferrule |
| Wire Stripping Length | 12 mm for top or bottom connection |
| Tightening Torque | 2 N.m |
| Earth-Leakage Protection | Integrated |

Environment

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|--|---|
| Standards | EN/IEC 60947-2 EN/IEC 61009-2-1 |
| Ip Degree Of Protection | IP40 (distribution enclosure) conforming to IEC 60529 IP20 conforming to IEC 60529 |
| Overvoltage Category | III conforming to IEC 60364 |
| Electromagnetic Compatibility | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61009-2-1 |
| Tropicalisation | 2 |
| Relative Humidity | 95 % at 55 °C |
| Ambient Air Temperature For Operation | -25...60 °C |
| Ambient Air Temperature For Storage | -40...70 °C |

Packing Units

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|-------------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 8.8 cm |
| Package 1 Width | 8 cm |
| Package 1 Length | 10.3 cm |

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|------------------------------|----------|
| Package 1 Weight | 441 g |
| Unit Type Of Package 2 | BB1 |
| Number Of Units In Package 2 | 3 |
| Package 2 Height | 10 cm |
| Package 2 Width | 11.2 cm |
| Package 2 Length | 25 cm |
| Package 2 Weight | 1.401 kg |
| Unit Type Of Package 3 | S03 |
| Number Of Units In Package 3 | 18 |
| Package 3 Height | 30 cm |
| Package 3 Width | 30 cm |
| Package 3 Length | 40 cm |
| Package 3 Weight | 8.974 kg |

Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.


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[Guide to assess a product’s sustainability >](#)



Transparency RoHS/REACH

Well-being performance

 Rohs Exemption Information [Yes](#)

Certifications & Standards

| | |
|--------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Compliant with Exemptions |
| China Rohs Regulation | China RoHS declaration Product out of China RoHS scope. Substance declaration for your information |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |