

Product data sheet

Specifications



Residual current breaker with overcurrent protection (RCBO), Acti9 iCV40N, 1P+N, 20A, C curve, 6000A, AC type, 30mA

A9DE3620

Main

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|-------------------------------------|--|
| 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 | 20 A |
| Network Type | AC |
| Trip Unit Technology | Thermal-magnetic |
| Curve Code | C |
| 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 | VDE IMQ EAC |

Complementary

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|---------------------------------------|--|
| Complementary | Outgoer |
| Network Frequency | 50/60 Hz |
| [Ue] Rated Operational Voltage | 230 V AC 50/60 Hz |
| Magnetic Tripping Limit | 5...10 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 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 |

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 |
| Contact Position Indicator | Yes |
| Control Type | Toggle |
| Local Signalling | ON/OFF indication Fault 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 | Sealable Padlocking device |
| Connections - Terminals | Tunnel type terminals top or bottom 1...16 mm² rigid Tunnel type terminals top or bottom 1...10 mm² flexible |
| Wire Stripping Length | 14 mm for top or bottom connection |
| Tightening Torque | 2 N.m top or bottom |
| Earth-Leakage Protection | Integrated |

Environment

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|---------------------------------------|--|
| 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

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|------------------------------|----------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 4.000 cm |

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|------------------------------|------------|
| Package 1 Width | 8.000 cm |
| Package 1 Length | 10.000 cm |
| Package 1 Weight | 210.000 g |
| Unit Type Of Package 2 | S03 |
| Number Of Units In Package 2 | 54 |
| Package 2 Height | 30.000 cm |
| Package 2 Width | 30.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 11.734 kg |
| Unit Type Of Package 3 | P12 |
| Number Of Units In Package 3 | 432 |
| Package 3 Height | 45.000 cm |
| Package 3 Width | 80.000 cm |
| Package 3 Length | 120.000 cm |
| Package 3 Weight | 105.872 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.

[Learn more about Green Premium >](#)

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



Transparency RoHS/REACH

Well-being performance

| | | |
|---|------------------------------------|-----|
| ✓ | Mercury Free | |
| ✓ | Rohs Exemption Information | Yes |
| ✓ | Halogen Free Plastic Parts Product | |

Certifications & Standards

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|--------------------------|---|
| 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 |