

Product data sheet

Characteristics

A9D61810

iC60N - earth leakage circuit breaker - 1P + N -
C curve - 10 A - 30 mA - 240 V



Main

| | |
|-----------------------------|---|
| Circuit breaker application | Distribution |
| Range | Acti 9 |
| Product name | Acti 9 iC60 RCBO |
| Product or component type | Residual current breaker with overcurrent protection (RCBO) |
| Device short name | IC60N RCBO |
| Poles description | 1P + N |
| [In] rated current | 10 A at 50 °C |
| Earthing system | TN |
| Curve code | C |
| Earth-leakage sensitivity | 30 mA |
| Breaking capacity | 6000 A Icn at 240 V AC 50/60 Hz |

Complementary

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|--|---|
| Neutral position | Left |
| Number of protected poles | 1 |
| Device location in system | Outgoer |
| Network type | AC |
| Network frequency | 50 Hz |
| [Ue] rated operational voltage | 240 V AC 50/60 Hz |
| Trip unit technology | Thermal-magnetic |
| Residual current tripping technology | Voltage dependent |
| Earth-leakage protection time delay | Instantaneous |
| Earth-leakage protection class | Type A |
| [Icw] rated short-time withstand current | Icw: 250 A during 8/20 μs impulse withstand |
| [Ics] rated service breaking capacity | 6000 A at 240 V AC 50/60 Hz |
| Limitation class | 3 |
| [Ui] rated insulation voltage | 400 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 4 kV |
| Surge current | 250 A |
| Suitability for isolation | Yes |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | ON/OFF indication |
| Mounting mode | Clip-on |
| Mounting support | DIN rail |
| Comb busbar and distribution block compatibility | NO |
| 9 mm pitches | 2 |
| Height | 110 mm |
| Width | 18 mm |
| Depth | 77.5 mm |
| Net weight | 205 g |
| Colour | White |

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|-----------------------------|--|
| Mechanical durability | 20000 cycles |
| Electrical durability | 5000 cycles |
| Provision for padlocking | Padlockable with padlock Ø 4 mm |
| Locking options description | ON/OFF locking facilities |
| Connections - terminals | Screw clamp terminal (top) 1...25 mm ² rigid without cable end Screw clamp terminal (top) 1...16 mm ² flexible Screw clamp terminal (bottom) 1...16 mm ² rigid without cable end Screw clamp terminal (bottom) 1...10 mm ² flexible |
| Wire stripping length | Power circuit: 13 mm for bottom connection Power circuit: 14 mm for top connection |
| Tightening torque | Power circuit: 3.5 N.m top Power circuit: 2 N.m bottom |
| Earth-leakage protection | Integrated |






Environment

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|---------------------------------------|--|
| Standards | IEC 61009-2-2 AS/NZS 61009.1 IEC 61009-1 |
| IP degree of protection | IP20 |
| Tropicalisation | 2 |
| Relative humidity | 95 % at 55 °C |
| Ambient air temperature for operation | -15...60 °C |
| Ambient air temperature for storage | -40...85 °C |

Packing Units

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|------------------|-----------|
| Package 1 Weight | 211.000 g |
| Package 1 Height | 75.000 mm |
| Package 1 width | 95.000 mm |
| Package 1 Length | 18.000 mm |

Offer Sustainability

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|----------------------------|---|
| Sustainable offer status | Green Premium product |
| EU RoHS Directive | Compliant  EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |
| Circularity Profile |  End Of Life Information |