# Product data sheet
## Characteristics

# A9R12291
## Residual current circuit breaker (RCCB), Acti9 iID, 2P, 100A, AC type, 100mA



### Main

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|---|---|
| Range | Acti9 |
| Product name | Acti9 iID |
| Product or component type | Residual current circuit breaker (RCCB) |
| Device short name | iID |
| Poles description | 2P |
| Neutral position | Left |
| [In] rated current | 100 A |
| Network type | AC |
| Earth-leakage sensitivity | 100 MA |
| Earth-leakage protection time delay | Instantaneous |
| Earth-leakage protection class | Type AC |

### Complementary

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|---|---|
| Device location in system | Outgoer |
| Network frequency | 50/60 Hz |
| [Ue] rated operational voltage | 230...240 V AC 50/60 Hz |
| Residual current tripping technology | Voltage independent |
| Rated breaking and making capacity | Idm 1500 A<br>Im 1500 A |
| Rated conditional short-circuit current | 10 KA |
| [Ui] rated insulation voltage | 500 V AC 50/60 Hz |
| [Uimp] rated impulse withstand voltage | 6 KV |
| Contact position indicator | Yes |
| Control type | Toggle |
| Mounting mode | Clip-on |
| Mounting support | 35 mm DIN rail |
| 9 mm pitches | 4 |
| Height | 85 Mm |
| Width | 36 Mm |
| Depth | 69 Mm |
| Embedding depth | 44 Mm |
| Net weight | 210 G |
| Colour | White (RAL 9003) |
| Mechanical durability | 20000 Cycles |
| Electrical durability | 10000 Cycles |
| Locking options description | Padlocking device |

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|---|---|
| Connections - terminals | Single terminal top or bottom 1…35 mm² rigid<br>Single terminal top or bottom 1…25 mm² flexible<br>Single terminal top or bottom 1…25 mm² flexible with ferrule |
| Wire stripping length | 14 Mm for top or bottom connection |
| Tightening torque | 3.5 N.M top or bottom |

## Environment

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|---|---|
| Standards | EN/IEC 61008-1<br>EN/IEC 61008-2-1 |
| IP degree of protection | IP20 conforming to IEC 60529<br>IP40 (modular enclosure) conforming to IEC 60529 |
| Pollution degree | 3 |
| Electromagnetic compatibility | 8/20 µs impulse withstand, 250 A conforming to EN/IEC 61008-1 |
| 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 | 8.100 Cm |
| Package 1 Width | 4.000 Cm |
| Package 1 Length | 10.000 Cm |
| Package 1 Weight | 211.000 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 | 11.883 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 53 |
| Total lifecycle Carbon footprint | 78 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1.8150524618772177 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 2 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.04615594773681627 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.02047378252726523 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 75.3991039889964 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 75 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.5332124110326304 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.5 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 78 |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | Yes |
| SCIP Number | E30d8de5-e712-4620-931e-4a4cf9525d5a |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| OECD PFAS Regulation | Item contains PFAS Chemicals |
| POP Directive | No POPs |
| Halogen-free status | Product contains halogen above thresholds |

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| PVC free | Yes |
| 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 a |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised