

Product datasheet

Specifications



Active arc fault detection RCBO,
Acti9 iCV40N ARC, 1P + N, 6 A, C
curve, 30 mA, type A-SI, 10000 A

A9TDFD606

Main

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|-------------------------------------|---|
| Range | Acti9 |
| Product name | Acti9 iCV40 ARC |
| Product or component type | Arc fault detection RCBO |
| Product specific application | Arc fault detection |
| Standards | EN/IEC 62606 EN/IEC 61009-1 EN/IEC 60947-2 EN/IEC 61009-2-1 BS EN 62606 |
| Device short name | ICV40 ARC |
| Poles description | 1P + N |
| Number of protected poles | 1 |
| Curve code | C |
| Breaking capacity | 10000 A Icn at 230 V AC 50 Hz conforming to IEC 61009-2-1 10 kA Icu at 230 V AC 50 Hz conforming to EN/IEC 60947-2 |
| Rated breaking and making capacity | 10000 A Icm at 230 V AC 50 Hz conforming to IEC 61009-2-1 |
| Neutral position | Left |
| Network type | AC |
| Earth-leakage protection time delay | Instantaneous |
| Earth-leakage protection class | Type A-SI (Super Immunised) |
| Electrical data recording | Date and time Maintenance indicators |
| Concentrator compatibility | EcoStruxure Panel Server Advanced EcoStruxure Panel Server Entry EcoStruxure Panel Server Universal |
| Event management | Overvoltage Earth leakage Overload |
| Type of measurement | Voltage Active power Current Power factor |
| Accuracy | Voltage: +/- 2 % Current: +/- 2 % Power: +/- 5 % |
| Suitability for isolation | Yes |

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|---|---------------------|
| Residual current tripping technology | Voltage independent |
| Trip unit technology | Thermal-magnetic |
| Earth-leakage protection | Integrated |

Complementary

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|---|---|
| [In] rated current | 6 A |
| Network frequency | 50 Hz |
| [Ue] rated operational voltage | 230 V AC 50 Hz |
| Device location in system | Outgoer |
| Magnetic tripping limit | 5...10 x In |
| [Ics] rated service breaking capacity | 7500 A AC 50 Hz conforming to IEC 61009-2-1 7.5 kA AC 50 Hz conforming to IEC 60947 |
| Limitation class | 3 |
| [Ui] rated insulation voltage | 250 V AC 50 Hz between phase and neutral |
| Threshold tripping voltage | 275 V +/- 5 V |
| [Uimp] rated impulse withstand voltage | 4 kV |
| Contact position indicator | Yes |
| Control type | Toggle |
| Local signalling | ON, OFF, fault trip LED arc fault diagnostic |
| Mounting mode | Clip-on |
| Mounting support | DIN rail |
| Colour | White (RAL 9003) |
| Mechanical durability | 20000 cycles |
| Electrical durability | 10000 cycles 230 V AC 50 Hz |
| Overvoltage category | III |
| Locking options description | Padlocking device |
| Cable entry | Top and bottom |
| Connections - terminals | Tunnel type terminal 1...16 mm ² rigid Tunnel type terminal 1...10 mm ² flexible |
| Wire stripping length | 14 mm |
| Tightening torque | 2 N.m |
| Comb busbar and distribution block compatibility | YES |
| 9 mm pitches | 4 |
| Height | 91 mm |
| Width | 36 mm |
| Depth | 73 mm |
| Net weight | 220 g |

Environment

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|----------------------------------|------------------------------|
| Earth-leakage sensitivity | 30 mA |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Pollution degree | 2 conforming to EN/IEC 62606 |

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| Tropicalisation | Severity B conforming to IEC 60068-2-30 for 28 d |
| Relative humidity | 95 % at 55 °C |
| Operating altitude | 2000 m |
| Ambient air temperature for operation | -25...40 °C |
| Ambient air temperature for storage | -40...80 °C |
| Product certifications | UKCA |

Packing Units

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| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 242 g |
| Package 1 Height | 4.4 cm |
| Package 1 width | 8.5 cm |
| Package 1 Length | 11.3 cm |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 24 |
| Package 2 Weight | 6.103 kg |
| Package 2 Height | 15 cm |
| Package 2 width | 30 cm |
| Package 2 Length | 40 cm |

Offer Sustainability

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

Contractual warranty

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| Warranty | 18 months |
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