# Product datasheet

Specifications

## arc fault detection switch, Acti9 iARC, 1P + N, 40 A

A9TSB3640

## Main

| | |
|---|---|
| **Range of product** | Acti9 |
| **Product or component type** | Arc fault detection switch |
| **Product specific application** | Arc fault detection |
| **Product name** | Acti9 iARC |
| **Device short name** | IARC |
| **Poles description** | 1P + N |
| **Neutral position** | Left |
| **Network type** | AC |
| **Rated breaking and making capacity** | Im = 500 A<br>Im1 = 500 A |
| **Rated conditional short-circuit current** | Inc 10000 A<br>Icn1 10000 A |

## Complementary

| | |
|---|---|
| **Device location in system** | Outgoer |
| **[In] rated current** | 40 A |
| **Network frequency** | 50 Hz |
| **[Ue] rated operational voltage** | 230 V AC 50 Hz conforming to IEC 62606 |
| **[Ui] rated insulation voltage** | 250 V |
| **[Uimp] rated impulse withstand voltage** | 4 kV conforming to IEC 62606 |
| **Threshold tripping voltage** | 275 V +/- 5 V |
| **Contact position indicator** | Yes |
| **Control type** | Toggle |
| **Local signalling** | ON, OFF, fault trip<br>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 conforming to IEC 62606 |

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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|---|---|
| **Connections - terminals** | Tunnel type terminal1…16 mm² rigid<br>Tunnel type terminal1…10 mm² flexible |
| **Cable entry** | Top and bottom |
| **Locking options description** | Padlocking device |
| **Wire stripping length** | 14 mm |
| **Tightening torque** | 2 N.m |
| **9 mm pitches** | 4 |
| **Height** | 91 mm |
| **Width** | 36 mm |
| **Depth** | 73 mm |
| **Net weight** | 210 g |

## Environment

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|---|---|
| **Pollution degree** | 2 conforming to IEC 62606 |
| **Overvoltage category** | III |
| **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 |
| **Standards** | IEC 62606<br>BS EN 62606 |
| **Product certifications** | UKCA |
| **Quality labels** | VDE |

## Packing Units

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|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Weight** | 234 g |
| **Package 1 Height** | 4.4 cm |
| **Package 1 width** | 8.5 cm |
| **Package 1 Length** | 11.4 cm |
| **Unit Type of Package 2** | S02 |
| **Number of Units in Package 2** | 24 |
| **Package 2 Weight** | 5.914 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<br>EU RoHS Declaration |
| **Mercury free** | Yes |

| | |
|---|---|
| **RoHS exemption information** | Yes |
| **China RoHS Regulation** | China RoHS declaration<br>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 |