# Product data sheet
## Characteristics

# ZBE1015
Single contact block, Harmony XB4, Hamony XB5, silver alloy, compact push in terminals, 1 NO



## Main

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|---|---|
| Range of product | Harmony XB5<br>Harmony XB4 |
| Product or component type | Contact block |
| Device short name | ZBE |
| Sale per indivisible quantity | 5 |
| IP degree of protection | IP20 conforming to IEC 60529 |
| Contact operation | Slow-break |
| Contact block type | Single |
| Contacts usage | Standard contacts |
| Connections - terminals | Push-in, <= 2 x 1.5 mm² with wire end ferrule conforming to IEC 60947-1<br>Push-in, >= 1 x 0.34 mm² without wire end ferrule conforming to IEC 60947-1 |

## Complementary

| | |
|---|---|
| CAD overall width | 34.3 Mm |
| CAD overall height | 14.8 Mm |
| CAD overall depth | 9.8 Mm |
| Net weight | 0.005 Kg |
| Contacts type and composition | 1 NO |
| Positive opening | Without |
| Operating travel | 2.05 Mm (NO changing electrical state)<br>4.3 Mm (total travel) |
| Operating force | 2.45 N NO changing electrical state |
| Mechanical durability | 10000000 Cycles |
| Contacts material | Silver alloy (Ag/Ni) |
| Short-circuit protection | 10 A cartridge fuse type gG conforming to IEC 60947-5-1 |
| [Ith] conventional free air thermal current | 10 A conforming to IEC 60947-5-1 |
| [Ui] rated insulation voltage | 300 V (pollution degree 3) conforming to IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 4 KV conforming to IEC 60947-1 |
| [Ie] rated operational current | 6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1<br>3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1 |
| Mounting of block | Front mounting |
| Device presentation | Basic element |

## Environment

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|---|---|
| Protective treatment | TH |
| Ambient air temperature for storage | -40…70 °C |
| Ambient air temperature for operation | -40…70 °C |
| Standards | IEC 60947-1<br>IEC 60947-5-1<br>IEC 60947-5-4<br>IEC 60947-5-5<br>UL 60947-1<br>UL 60947-5-1<br>UL 60947-5-5<br>UL 1059<br>UL 486E<br>CSA C22.2 No 60947-1<br>CSA C22.2 No 60947-5-1<br>CSA C22.2 No 158<br>CSA C22.2 No 65<br>IACS E10 |
| Product certifications | EAC[RETURN]IECEE CB Scheme[RETURN]CCC[RETURN]UL[RETURN]CSA |
| Vibration resistance | 5 gn (f= 10…500 Hz) conforming to IEC 60068-2-6<br>25 mm peak to peak (f= 2…10 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27<br>30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.100 Cm |
| Package 1 Width | 2.000 Cm |
| Package 1 Length | 3.500 Cm |
| Package 1 Weight | 5.000 G |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 5 |
| Package 2 Height | 3.500 Cm |
| Package 2 Width | 4.500 Cm |
| Package 2 Length | 5.500 Cm |
| Package 2 Weight | 30.000 G |
| Unit Type of Package 3 | S02 |
| Number of Units in Package 3 | 500 |
| Package 3 Height | 15.000 Cm |
| Package 3 Width | 30.000 Cm |
| Package 3 Length | 40.000 Cm |
| Package 3 Weight | 3.292 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 50 |
| Total lifecycle Carbon footprint | 0.1 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.0700906059 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.1 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0031303224 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0077739855 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.023894 |
| REACh free of SVHC | Yes |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0 kg CO2 eq. |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |

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|---|---|
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.0199760978 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 1 |
| Average percentage of recycled plastic content | 23 % |
| Average percentage of recycled metal content | 13 % |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), |
| End of life manual availability | End Of Life Information |
| 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