# Product data sheet
## Characteristics

# ZB2BWB52C
Light block with body and fixing collar, Harmony XB2, metal, orange, bulb 24V DC LED, 24V AC/DC, 1NC



## Main

| | |
|---|---|
| Range of product | Harmony XB2 |
| Product or component type | Complete body/contact assembly and light block |
| Component name | ZB2 |
| Body type | Body for illuminated control button |
| Sale per indivisible quantity | 1 |
| Device presentation | Basic element |
| Device short name | XB2 |
| Contact operation | Slow-break |

## Complementary

| | |
|---|---|
| Mounting diameter | 22.5 Mm |
| [Us] rated supply voltage | 24 V |
| Contacts type and composition | 1 NC |
| Connections - terminals | Screw clamps terminals |
| Bezel material | Chromium plated metal |
| Terminals description ISO n°1 | (11-12)NC |
| [Ie] rated operational current AC | 3 A 240 V AC-15 |
| Auxiliary contacts operation | Standard |
| Bulb base | BA 9s |
| Bulb type | LED |
| [Ie] rated operational current DC | DC-13: 0.27 A at 250 V |
| NC auxiliary contacts | 1 |
| NO auxiliary contacts | 0 |
| Supply circuit type | AC/DC |
| Supply frequency | 50 Hz<br>60 Hz |
| Height | 40 Mm |
| Width | 30 Mm |
| Depth | 66.5 Mm |
| Net weight | 0.058 Kg |
| Connections - terminals | Screw clamp terminal, <= 2 x 1.5 mm² with and without cable ends<br>Screw clamp terminal, <= 1 x 2.5 mm² with and without cable ends<br>Screw clamp terminal, >= 1 x 0.5 mm² with and without cable ends<br>Faston terminals, connection size: 6.3 mm |
| Fixing mode | Fixing screw beneath head recommended torque: 0.8 N.m<br>Fixing screw beneath head recommended torque: 1.0 N.m |
| Tightening torque | 0.8…1.0 N.M |

| | |
|---|---|
| [Uimp] rated impulse withstand voltage | 6 KV conforming to IEC 60947-1 |
| [Ui] rated insulation voltage | 600 V (pollution degree 3) conforming to IEC 60947-1 |
| Contacts material | Silver alloy (Ag/Ni) |
| Contacts usage | Standard contacts |
| Fixing collar material | Zamak |
| Mechanical durability | 3000000 Cycles |
| Electrical connection | Captive screw clamp terminal |
| Light block colour | Orange |
| Light block supply | Direct |
| Light source | LED |
| Electrical reliability | Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4<br>Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4 |
| [Ie] rated operational current | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 |
| Short-circuit protection | 10 A gL fuse type gG conforming to IEC 60947-5-1 |
| [Ith] conventional free air thermal current | 10 A conforming to IEC 60947-5-1 |
| Positive opening | Without |
| Shape of screw head | Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver |
| Operating travel | 2.88 Mm (NO changing electrical state)<br>5.0 Mm (total travel) |
| Electrical durability | 1000000 Cycles, AC-15, 3 A at 240 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IE<br>1000000 Cycles, DC-13, 0.27 A at 250 V, operating rate <3600 cyc/h, load factor: 0.5 conforming |
| Protective treatment | TC/TH |
| Signalling type | Steady |
| Current consumption | < 20 mA |
| Service life | 5000 H at rated voltage and 25 °C |
| Supply voltage limits | 19.2…26.4 V AC/DC 50/60 Hz |
| [Us] rated supply voltage | 24 V AC/DC 50/60 Hz |
| Customizable | No |

## Environment

| | |
|---|---|
| Vibration resistance | 5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6 |
| Standards | IEC 60947-5-1<br>IEC 60947-5-4<br>IEC 60947-1<br>GB/T 14048.1<br>GB/T 14048.5 |
| Shock resistance | 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 |
| Product certifications | CE[RETURN]CCC |
| Product compatibility | ZB2..C |
| IK degree of protection | IK06 |
| IP degree of protection | IP65 |
| Ambient air temperature for operation | -25…70 °C |
| Ambient air temperature for storage | -40…70 °C |
| Resistance to fast transients | 2 KV conforming to IEC 61000-4-4 |
| Resistance to electrostatic discharge | 4 KV on contact (on metal parts) conforming to IEC 61000-4-2<br>8 KV in free air (in insulating parts) conforming to IEC 61000-4-2 |
| Resistance to electromagnetic fields | 10 V/M conforming to IEC 61000-4-3 |
| Surge withstand | 1 KV line to line conforming to IEC 61000-4-5<br>2 KV line to earth conforming to IEC 61000-4-5 |
| Overvoltage category | Class I conforming to IEC 60536 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3 Cm |
| Package 1 Width | 4 Cm |
| Package 1 Length | 6.1 Cm |
| Package 1 Weight | 69.9 G |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 120 |
| Package 2 Height | 15 Cm |
| Package 2 Width | 30 Cm |
| Package 2 Length | 40 Cm |
| Package 2 Weight | 8.438 Kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 2400 |
| Package 3 Height | 75 Cm |
| Package 3 Width | 60 Cm |
| Package 3 Length | 80 Cm |
| Package 3 Weight | 167.96 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 65 |
| Total lifecycle Carbon footprint | 1 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.82795583 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.8 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0244090524 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0066411216 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.3785263975 |
| REACh free of SVHC | Yes |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.4 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.1635811957 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.2 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 1 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 9e63340a-2371-4381-8f9a-5fba0ff349a4 |
| 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: Lead and lead compounds, wh |
| End of life manual availability | No need of specific recycling operations |
| Take-back | No |

## Contractual warranty

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

Product Life Status : Commercialised