# Product data sheet
## Characteristics

# XB2BW34B1C
Illuminated push button, Harmony XB2, metal, flush, red, 22mm, spring return, 24V AC DC, 1NO



## Main

| | |
|---|---|
| Range of product | Harmony XB2 |
| Product or component type | Complete illuminated push-button |
| Device presentation | Complete product |
| Device short name | XB2 |
| Bezel material | Chromium plated metal |
| Fixing collar material | Zamak |
| Mounting diameter | 22.5 Mm |
| Head type | Standard |

## Complementary

| | |
|---|---|
| Sale per indivisible quantity | 1 |
| Protective treatment | TC/TH |
| Fixing center | >= 30 x 40 mm (panel) - thickness: 1…6 mm |
| Fixing mode | Fixing screw beneath head recommended torque: 0.8 N.m<br>Fixing screw beneath head recommended torque: 1.0 N.m |
| Terminals description ISO n°1 | (13-14)NO |
| Cap/operator or lens colour | Red |
| Product compatibility | ZB2..C |
| Shape of signaling unit head | Round |
| Device mounting | Fixing hole - diameter: 22.5 mm |
| Type of operator | Spring return |
| Operator profile | Red flush, unmarked |
| Contacts type and composition | 1 NO |
| Contact operation | Slow-break |
| Contacts usage | Standard contacts |
| Operating travel | 2.88 Mm (NO changing electrical state)<br>5.0 Mm (total travel) |
| Mechanical durability | 3000000 Cycles |
| 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 |
| Tightening torque | 0.8…1.0 N.M |
| 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 |
| Contacts material | Silver alloy (Ag/Ni) |

| | |
|---|---|
| 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 |
| [Ui] rated insulation voltage | 600 V (pollution degree 3) conforming to IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 KV conforming to IEC 60947-1 |
| [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 |
| 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 |
| 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 |
| Signalling type | Steady |
| Light source | LED |
| Bulb base | BA 9s |
| [Us] rated supply voltage | 24 V AC/DC 50/60 Hz |
| Supply voltage limits | 19.2…26.4 V AC/DC |
| Current consumption | < 20 mA |
| Service life | 50000 H at rated voltage and 25 °C |
| Width | 30 Mm |
| Height | 40 Mm |
| Depth | 79.5 Mm |
| Net weight | 0.09 Kg |
| Customizable | No |
| [Us] rated supply voltage | 24 V |
| Type of operator | Spring return |

## Environment

| | |
|---|---|
| Ambient air temperature for storage | -40…70 °C |
| Ambient air temperature for operation | -25…70 °C |
| Overvoltage category | Class I conforming to IEC 60536 |
| Standards | IEC 60947-5-1<br>IEC 60947-5-4<br>IEC 60947-1<br>GB/T 14048.1<br>GB/T 14048.5 |
| Product certifications | CCC[RETURN]CE |
| Marking | Unmarked |
| IP degree of protection | IP65 |
| IK degree of protection | IK06 |
| Vibration resistance | 5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6 |
| 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 |

## Packing Units

| | |
|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 5.500 Cm |
| Package 1 Width | 7.000 Cm |
| Package 1 Length | 10.700 Cm |
| Package 1 Weight | 107.000 G |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 25 |
| Package 2 Height | 15.000 Cm |
| Package 2 Width | 30.000 Cm |
| Package 2 Length | 40.000 Cm |
| Package 2 Weight | 2.975 Kg |
| Unit Type of Package 3 | P06 |
| Number of Units in Package 3 | 400 |
| Package 3 Height | 75.000 Cm |

| | |
|---|---|
| Package 3 Width | 60.000 Cm |
| Package 3 Length | 80.000 Cm |
| Package 3 Weight | 55.600 Kg |

## Offer Sustainability

| | |
|---|---|
| Recyclability potential, in % | 65 |
| Total lifecycle Carbon footprint | 2 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1.0660375494 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 1 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0314279644 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0085508004 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.757052795 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.8 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.2106195652 |
| 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 | 2 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| SCIP Number | 9e63340a-2371-4381-8f9a-5fba0ff349a4 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant By Exemption |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, w |
| 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

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

Product Life Status : Commercialised