# Product data sheet
## Characteristics

# XB4BW31G5
## Illuminated push button, Harmony XB4, metal, white flush, 22mm, universal LED, plain lens, 1NO + 1NC, 110...120V AC

Important message: A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks



## Main

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|---|---|
| Range of product | Harmony XB4 |
| Product or component type | Illuminated push-button |
| Device short name | XB4 |
| Bezel material | Chromium plated metal |
| Fixing collar material | Zamak |
| Mounting diameter | 22.5 Mm |
| Sale per indivisible quantity | 1 |
| Head type | Standard |
| Shape of signaling unit head | Round |
| Type of operator | Spring return |
| Operator profile | White flush |
| Operator additional information | With plain lens |
| Contacts type and composition | 1 NO + 1 NC |
| Contact operation | Slow-break |
| Connections - terminals | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm² without cable end conforming to IEC 60947-1 |
| Light source | Universal LED |
| Bulb base | Integral LED |
| [Us] rated supply voltage | 110...120 V AC at 50/60 Hz |

## Complementary

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|---|---|
| Height | 47 Mm |
| Width | 30 Mm |
| Depth | 57 Mm |
| Terminals description ISO n°1 | (13-14)NO<br>(21-22)NC |
| Net weight | 0.097 Kg |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m |
| Contacts usage | Standard contacts |
| Positive opening | With conforming to IEC 60947-5-1 appendix K |
| Operating travel | 1.5 Mm (NC changing electrical state)<br>2.6 Mm (NO changing electrical state)<br>4.3 Mm (total travel) |

| | |
|---|---|
| Operating force | 3.5 N NC changing electrical state<br>3.8 N |
| Mechanical durability | 10000000 Cycles |
| Tightening torque | 0.8…1.2 N.M conforming to IEC 60947-1 |
| 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 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 | 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>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1 |
| Electrical durability | 1000000 Cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IE<br>1000000 Cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to I<br>1000000 Cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IE<br>1000000 Cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to<br>1000000 Cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to |
| Electrical reliability | Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4 |
| Signalling type | Steady |
| Current consumption | 14 mA |
| Service life | 100000 H at rated voltage and 25 °C |
| Surge withstand | 1 KV conforming to IEC 61000-4-5 |
| Supply voltage limits | 100…132 V AC |
| Device presentation | Complete product |

## Environment

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| Protective treatment | TH |
| Ambient air temperature for storage | -40…70 °C |
| Ambient air temperature for operation | -40…70 °C |
| Electrical shock protection class | Class I conforming to IEC 60536 |
| IP degree of protection | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K |
| NEMA degree of protection | UL type 4X/13 |
| IK degree of protection | IK06 conforming to IEC 50102 |
| Standards | UL 508<br>IEC 60947-1<br>JIS C8201-5-1<br>IEC 60947-5-4<br>IEC 60947-5-5<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-1 |
| Product certifications | CSA[RETURN]LROS (Lloyds register of shipping)[RETURN]BV[RETURN]UL listed[RETURN]DNV |
| 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 |
| Resistance to fast transients | 2 KV conforming to IEC 61000-4-4 |
| Resistance to electromagnetic fields | 10 V/M conforming to IEC 61000-4-3 |
| Resistance to electrostatic discharge | 6 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 |
| Electromagnetic emission | Class B conforming to IEC 55011 |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.800 Cm |
| Package 1 Width | 3.400 Cm |
| Package 1 Length | 5.400 Cm |
| Package 1 Weight | 97.000 G |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 100 |
| Package 2 Height | 30 Cm |
| Package 2 Width | 30 Cm |
| Package 2 Length | 40 Cm |
| Package 2 Weight | 10.371 Kg |

## Offer Sustainability

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| Recyclability potential, in % | 75 |
| Total lifecycle Carbon footprint | 26 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.7224982456 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.7 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0153562573 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0141136842 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 25.1868871521 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 25 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | Yes |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.1599345029 |
| 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 | 26 |
| Average percentage of recycled plastic content | 28 % |
| Average percentage of recycled metal content | 17 % |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | Yes |
| SCIP Number | 425812e5-011f-4fb4-ad1b-fc9cf9865300 |
| 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 |
| Product repair index | A |
| 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