# Product data sheet
## Characteristics

# XB4BG03
Key switch selector, Harmony XB4, metal, black, 22mm, key 455, 3 positions, stay put, 2 NO



## Main

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|---|---|
| Range of product | Harmony XB4 |
| Product or component type | Selector switch |
| 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 | Stay put |
| Operator profile | Black key switch |
| Operator position information | 3 positions +/- 45° |
| Contacts type and composition | 2 NO |
| 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 mm² without cable end conforming to IEC 60947-1 |

## Complementary

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|---|---|
| Height | 47 Mm |
| Width | 30 Mm |
| Depth | 86 Mm |
| Terminals description ISO n°1 | (23-24)NO<br>(13-14)NO |
| Net weight | 0.127 Kg |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m |
| Type of keylock | Key 455 |
| Key withdrawal position | In any position |
| Contacts usage | Standard contacts |
| Positive opening | Without |
| Torque value | 0.14 N.M NO changing electrical state |
| Mechanical durability | 1000000 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) |

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| 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 E<br>1000000 Cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to E<br>1000000 Cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EI<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 |
| 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 |
| Overvoltage category | Class I conforming to IEC 60536 |
| IP degree of protection | IP66 conforming to IEC 60529<br>IP69<br>IP69K<br>IP67 |
| NEMA degree of protection | UL type 4X/13 |
| IK degree of protection | IK06 with keyhole cover ZBGP conforming to IEC 50102 |
| Standards | UL 508<br>IEC 60947-5-5<br>IEC 60947-5-1<br>IEC 60947-5-4<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>IEC 60947-1<br>JIS C8201-1 |
| Product certifications | BV[RETURN]UL[RETURN]CSA[RETURN]DNV[RETURN]LROS (Lloyds register of shipping) |
| 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

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.5 Cm |
| Package 1 Width | 5.7 Cm |
| Package 1 Length | 9.3 Cm |
| Package 1 Weight | 159 G |
| Unit Type of Package 2 | S02 |
| Number of Units in Package 2 | 50 |
| Package 2 Height | 15 Cm |
| Package 2 Width | 30 Cm |
| Package 2 Length | 40 Cm |
| Package 2 Weight | 8.246 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 88 |
| Total lifecycle Carbon footprint | 1 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.91861 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.9 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.018262 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.017557 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.05696100000000001 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.1 kg CO2 eq. |
| Mercury free | Yes |
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.34485 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.3 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 1 |
| Packaging made with recycled cardboard | No |
| Packaging without single use plastic | No |
| SCIP Number | 70419cd7-c760-46b8-87e9-92c66dfe6f15 |
| 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