# Product datasheet

Specifications



## Push button, metal, flush, white, Ø22, spring return, unmarked, 1 NO

XB4BA11

## Main

| | |
|---|---|
| **Range of product** | Harmony XB4 |
| **Device short name** | XB4 |
| **Product or component type** | Push-button |
| **Bezel material** | Chromium plated metal |
| **Fixing collar material** | Zamak |
| **Mounting diameter** | 22.5 mm |
| **Sale per indivisible quantity** | 1 |
| **Shape of signaling unit head** | Round |
| **Type of operator** | spring return |
| **Operator profile** | White flush, unmarked |
| **Head type** | Standard |
| **Contacts type and composition** | 1 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...2 x 2.5 mm² without cable end conforming to IEC 60947-1 |

## Complementary

| | |
|---|---|
| **Height** | 47 mm |
| **Width** | 30 mm |
| **Depth** | 52 mm |
| **Terminals description ISO n°1** | (13-14)NO |
| **Product weight** | 0.08 kg |
| **Resistance to high pressure washer** | 7000000 Pa at 55 °C, distance : 0.1 m |
| **Contacts usage** | Standard contacts |
| **Positive opening** | Without |
| **Operating travel** | 2.6 mm (NO changing electrical state)<br>4.3 mm (total travel) |
| **Operating force** | 3.8 N NO changing electrical state |
| **Mechanical durability** | 10000000 cycles |
| **Tightening torque** | 0.8…1.2 N.m conforming to IEC 60947-1 |

Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---|---|
| **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 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| **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

| | |
|---|---|
| **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>IP67<br>IP69<br>IP69K |
| **Enclosure Type** | UL type 4X/13 |
| **IK degree of protection** | IK06 conforming to IEC 50102 |
| **Standards** | CSA C22.2 No 14<br>IEC 60947-5-1<br>IEC 60947-5-4<br>UL 508<br>IEC 60947-5-5<br>IEC 60947-1<br>JIS C8201-5-1<br>JIS C8201-1 |
| **Product certifications** | CSA<br>LROS (Lloyds register of shipping)<br>BV<br>UL listed<br>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 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 3.600 cm |
| **Package 1 Width** | 5.400 cm |
| **Package 1 Length** | 9.100 cm |
| **Package 1 Weight** | 80.000 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 5 |
| **Package 2 Height** | 8.800 cm |
| **Package 2 Width** | 3.500 cm |
| **Package 2 Length** | 26.500 cm |
| **Package 2 Weight** | 401.000 g |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 150 |
| **Package 3 Height** | 30.000 cm |
| **Package 3 Width** | 30.000 cm |
| **Package 3 Length** | 40.000 cm |
| **Package 3 Weight** | 12.484 kg |

## Contractual warranty

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

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

### Environmental footprint

| | |
|---|---|
| Total lifecycle Carbon footprint | **0.7 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.6 kg CO2 eq.** |
| Carbon footprint of the distribution phase [A4] | **0 kg CO2 eq.** |
| Carbon footprint of the installation phase [A5] | **0 kg CO2 eq.** |
| Carbon footprint of the use phase [B2, B3, B4, B6] | **0 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0.1 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Average percentage of recycled plastic content | **19 %** |
| Average percentage of recycled metal content | **18 %** |
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| EU RoHS Directive | Compliant |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |

## Use Longer

### Lifetime extension

| | |
|---|---|
| Repair | **No** |
| Product repair index | **A** |

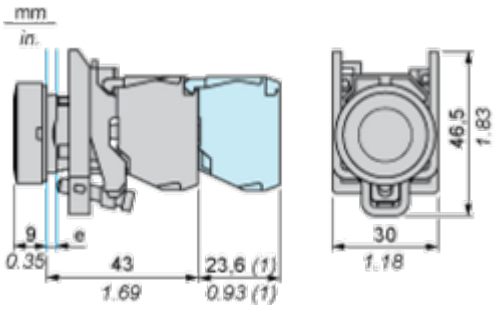
## Use Again

### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **84** |
| 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 and never end up in rubbish bins** |

Dimensions Drawings

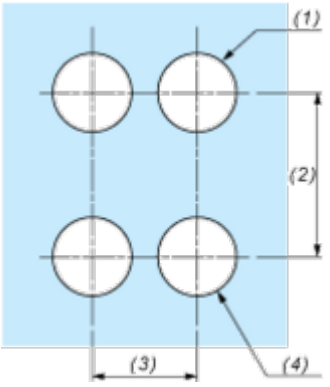
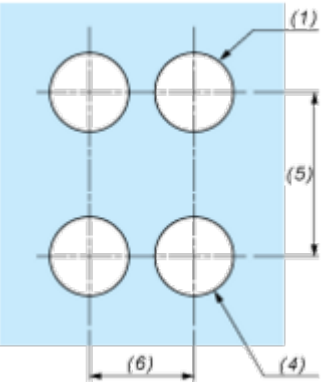
## Dimensions




**e :** clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.
**(1)** Additional row of contacts or double contact.

## Mounting and Clearance

### Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

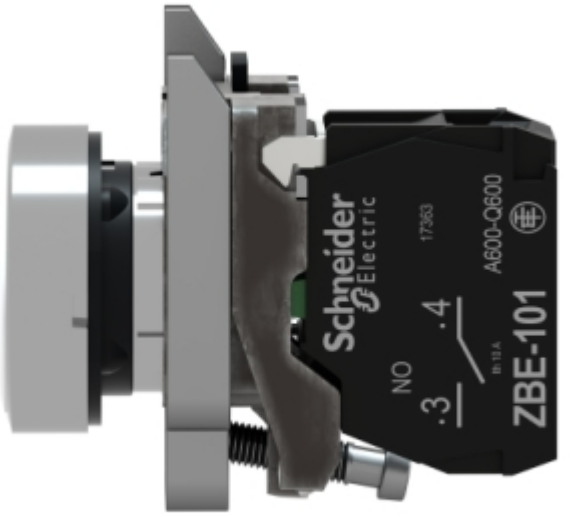
| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board | Connection by Faston Connectors |
|---|---|
|  |  |

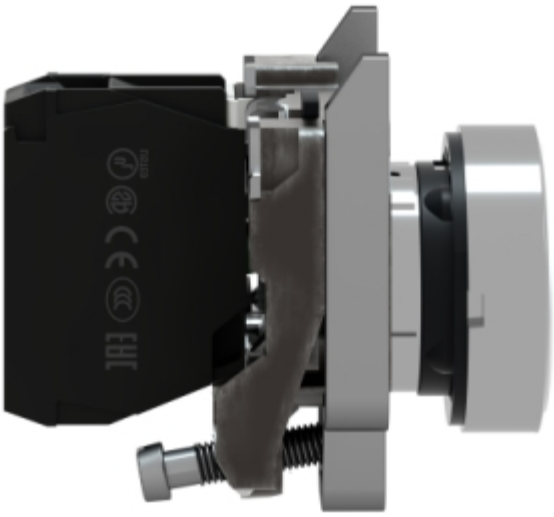
**(1)** Diameter on finished panel or support
**(2)** 40 mm min. / 1.57 in. min.
**(3)** 30 mm min. / 1.18 in. min.
**(4)** Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_{0}^{+0.4}$ / 0.88 in. $_{0}^{+0.016}$)
**(5)** 45 mm min. / 1.78 in. min.
**(6)** 32 mm min. / 1.26 in. min.

Image of product / Alternate images

**Alternative**










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