# Product datasheet

Specifications



## red complete pilot light Ø22 plain lens with integral LED 24V

XB4BVB4

## Main

| | |
|---|---|
| **Range of product** | Harmony XB4 |
| **Product or component type** | Pilot light |
| **Device short name** | XB4 |
| **Bezel material** | Chromium plated metal |
| **Fixing collar material** | Zamak |
| **Mounting diameter** | 22.5 mm |
| **Head type** | Standard |
| **Sale per indivisible quantity** | 1 |
| **Shape of signaling unit head** | Round |
| **Cap/Operator or lens colour** | Red |
| **Operator additional information** | With plain lens |
| **Light source** | Universal LED |
| **Bulb base** | Integral LED |
| **Light source colour** | Red |
| **[Us] rated supply voltage** | 24 V AC/DC 50/60 Hz |

## Complementary

| | |
|---|---|
| **Height** | 47 mm |
| **Width** | 30 mm |
| **Depth** | 54 mm |
| **Terminals description ISO n°1** | (X1-X2)PL |
| **Product weight** | 0.08 kg |
| **Resistance to high pressure washer** | 7000000 Pa at 55 °C, distance : 0.1 m |
| **Connections - terminals** | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm² without cable end conforming to EN/IEC 60947-1 |
| **[Ui] rated insulation voltage** | 250 V (pollution degree 3) conforming to EN 60947-1 |
| **[Uimp] rated impulse withstand voltage** | 4 kV conforming to EN 60947-1 |
| **Signalling type** | Steady |

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

| | |
|---|---|
| **Current consumption** | 18 mA |
| **Service life** | 100000 h at rated voltage and 25 °C |
| **Surge withstand** | 1 kV conforming to IEC 61000-4-5 |
| **Device presentation** | Complete product |
| **Supply voltage limits** | 19.2…30 V DC<br>21.6…26.4 V AC |

## Environment

| | |
|---|---|
| **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** | NEMA 13<br>NEMA 4X |
| **IK degree of protection** | IK06 conforming to IEC 50102 |
| **Standards** | EN/IEC 60947-5-5<br>EN/IEC 60947-5-4<br>JIS C8201-5-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>UL 508<br>JIS C8201-1 |
| **Product certifications** | CSA<br>UL listed |
| **Vibration resistance** | 5 gn (f= 12…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

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |
| **Package 1 Height** | 8.8 cm |
| **Package 1 Width** | 3.4 cm |
| **Package 1 Length** | 5.4 cm |
| **Package 1 Weight** | 78 g |
| **Unit Type of Package 2** | S03 |
| **Number of Units in Package 2** | 150 |
| **Package 2 Height** | 30 cm |
| **Package 2 Width** | 30 cm |

| | |
|---|---|
| **Package 2 Length** | 40 cm |
| **Package 2 Weight** | 12.166 kg |
| **Unit Type of Package 3** | P06 |
| **Number of Units in Package 3** | 1200 |
| **Package 3 Height** | 75 cm |
| **Package 3 Width** | 60 cm |
| **Package 3 Length** | 80 cm |
| **Package 3 Weight** | 107.692 kg |

## Offer Sustainability

| | |
|---|---|
| **Sustainable offer status** | Green Premium product |
| **REACh Regulation** | REACh Declaration |
| **REACh free of SVHC** | Yes |
| **EU RoHS Directive** | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |
| **Mercury free** | Yes |
| **China RoHS Regulation** | China RoHS declaration |
| **RoHS exemption information** | Yes |
| **Environmental Disclosure** | Product Environmental Profile |
| **Circularity Profile** | End of Life Information |
| **WEEE** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

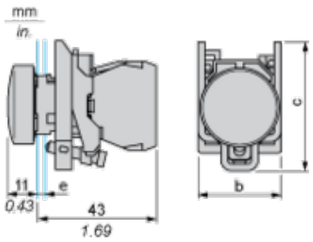
## Contractual warranty

| | |
|---|---|
| **Warranty** | 12 months |

# Product datasheet XB4BVB4

Dimensions Drawings

## Dimensions




**e :** clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

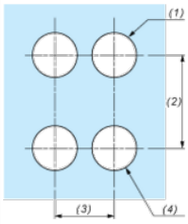
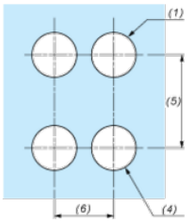
**b :** 30 mm / 1.18 in.

**c :** 46.5 mm / 1.83 in.

# Product datasheet XB4BVB4

Mounting and Clearance

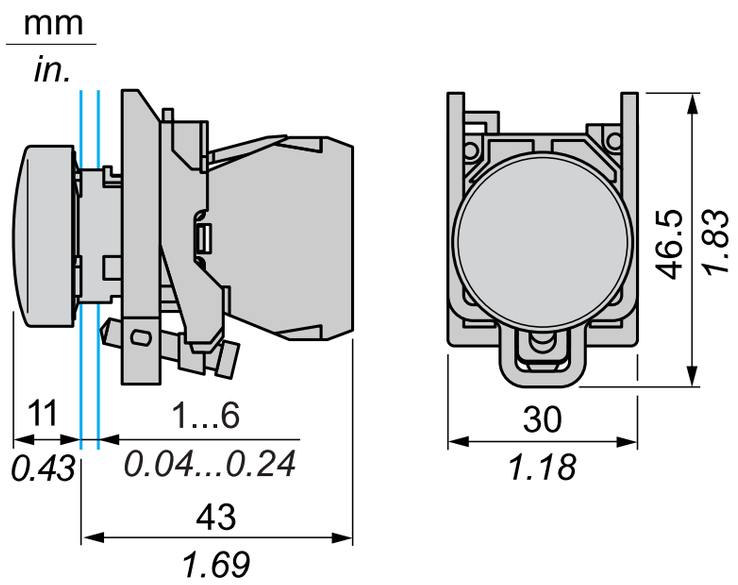
## Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

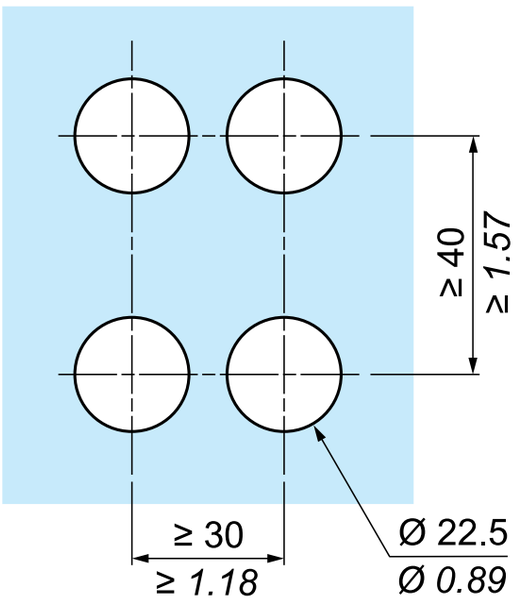
| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board | Connection by Faston Connectors |
|---|---|
|  |  |
| **(1)** Diameter on finished panel or support<br>**(2)** 40 mm min. / 1.57 in. min.<br>**(3)** 30 mm min. / 1.18 in. min.<br>**(4)** Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_{0}^{+0.4}$ / 0.88 in. $_{0}^{+0.016}$)<br>**(5)** 45 mm min. / 1.78 in. min.<br>**(6)** 32 mm min. / 1.26 in. min. | |

# Product datasheet XB4BVB4

Technical Illustration

## Dimensions




## Recommended replacement(s)