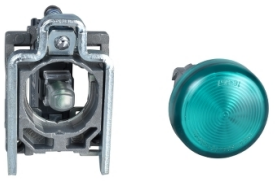
# Product datasheet

Specifications



## Pilot light, Harmony XB4 ATEX D, metal, green, 22mm, plain lens with integral LED, 24V AC DC, ATEX

XB4BVB3EX

## Main

| | |
|---|---|
| **Range Of Product** | Harmony XB4 |
| **Product Or Component Type** | Complete pilot light |
| **Device Short Name** | XB4 |
| **Bezel Material** | Chromium plated metal |
| **Fixing Collar Material** | Zamak |
| **Head Type** | Standard |
| **Mounting Diameter** | 22 mm |
| **Sale Per Indivisible Quantity** | 1 |
| **Dust Zone** | Zone 21 - 22 |
| **Operator Additional Information** | With plain lens |

## Complementary

| | |
|---|---|
| **Resistance To High Pressure Washer** | 7000000 Pa at 55 °C, distance : 0.1 m |
| **Device Mounting** | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 |
| **Fixing Center** | >= 30 x 40 mm (support panel) |
| **Embedding Depth** | 43 mm |
| **Marking** | Ex tb IIIC |
| **Shape Of Signaling Unit Head** | Round |
| **Cap/Operator Or Lens Colour** | Green |
| **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 |
| **[Ui] Rated Insulation Voltage** | 250 V (pollution degree 3) conforming to IEC 60947-1 |
| **[Uimp] Rated Impulse Withstand Voltage** | 4 kV conforming to IEC 60947-1 |
| **Signalling Type** | Steady |
| **Light Source** | Integral LED |
| **Light Source Colour** | Green |
| **[Us] Rated Supply Voltage** | 24 V AC/DC 50/60 Hz |
| **Supply Voltage Limits** | 19.2…30 V DC<br>21.6…26.4 V AC |
| **Current Consumption** | 18 mA |
| **Service Life** | 100000 h at rated voltage and 25 °C |

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

| | |
|---|---|
| **Surge Withstand** | 1 kV conforming to IEC 61000-4-5 |

## Environment

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|---|---|
| **Protective Treatment** | TH |
| **Ambient Air Temperature For Storage** | -40…70 °C |
| **Ambient Air Temperature For Operation** | -20…60 °C |
| **Overvoltage Category** | I conforming to IEC 60536 |
| **Ip Degree Of Protection** | IP65 conforming to IEC 60529 |
| **Nema Degree Of Protection** | NEMA 13<br>NEMA 4X |
| **Ik Degree Of Protection** | IK05 conforming to IEC 50102 |
| **Standards** | IEC 60079-0:2009<br>EN 60079-31:2009<br>IEC 61000-6-2<br>IEC 60079-0:2007<br>IEC 60079-31:2008 |
| **Directives** | 94/9/EC - ATEX directive |
| **Product Certifications** | INERIS 04ATEX9004U |
| **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** | 3.0 cm |
| **Package 1 Width** | 15.0 cm |
| **Package 1 Length** | 20.0 cm |
| **Package 1 Weight** | 90.0 g |
| **Unit Type Of Package 2** | S01 |
| **Number Of Units In Package 2** | 10 |
| **Package 2 Height** | 15.0 cm |
| **Package 2 Width** | 15.0 cm |
| **Package 2 Length** | 40.0 cm |
| **Package 2 Weight** | 1.107 kg |

## Contractual warranty

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|---|---|
| **Warranty** | 18 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

Mercury Free

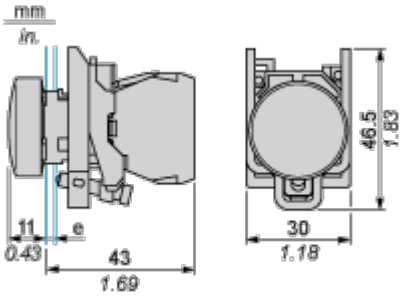
| | |
|---|---|
| Rohs Exemption Information | Yes |

## Certifications & Standards

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope) |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | End of Life Information |

## Dimensions Drawings

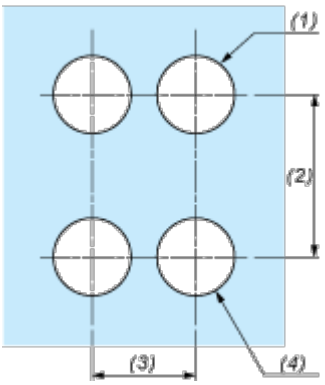
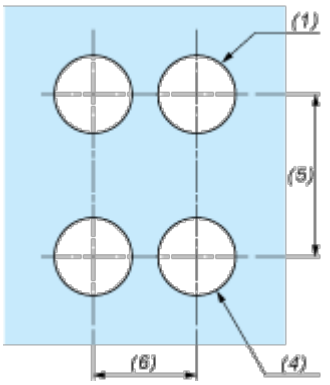
### Pilot Light




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

## 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.