

# Product datasheet

Specifications



## Monolithic pilot light, plastic, orange, Ø22, integral LED, 24 V AC/DC

Local distributor code: 398129871    XB7EV08BP

### Main

|                               |                     |
|-------------------------------|---------------------|
| Range of product              | Harmony XB7         |
| Product or component type     | Pilot light         |
| Device short name             | XB7                 |
| Mounting diameter             | 22 mm               |
| Sale per indivisible quantity | 10                  |
| Shape of signaling unit head  | Round               |
| Cap/Operator or lens colour   | Orange              |
| Light source                  | LED                 |
| Bulb base                     | Integral LED        |
| [Us] rated supply voltage     | 24 V AC/DC 50/60 Hz |
| Device presentation           | Monolithic product  |

### Complementary

|                                        |                                                                                                                                                                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height                                 | 29 mm                                                                                                                                                                                                                                                   |
| Width                                  | 29 mm                                                                                                                                                                                                                                                   |
| Depth                                  | 54 mm                                                                                                                                                                                                                                                   |
| Terminals description ISO n°1          | (X1-X2)PL                                                                                                                                                                                                                                               |
| Net weight                             | 0.02 kg                                                                                                                                                                                                                                                 |
| Device mounting                        | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to EN/IEC 60947-5-1                                                                                                                                                                              |
| Fixing center                          | >= 30 x 40 mm (support panel) metal - thickness: 1...6 mm<br>>= 30 x 40 mm (support panel) plastic - thickness: 2...6 mm                                                                                                                                |
| Fixing mode                            | Fixing nut beneath head: 2...2.4 N.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                                                                       |
| Tightening torque                      | 0.8...1.2 N.m conforming to EN 60947-1                                                                                                                                                                                                                  |
| Shape of screw head                    | Cross compatible with JIS No 1 screwdriver<br>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 |
| [Ui] rated insulation voltage          | 250 V (pollution degree 3) conforming to EN/IEC 60947-1                                                                                                                                                                                                 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-1                                                                                                                                                                                                                       |

|                       |                                    |
|-----------------------|------------------------------------|
| Signalling type       | Steady                             |
| Supply voltage limits | 19.2...30 V DC<br>21.6...26.4 V AC |
| Current consumption   | 20...27 mA                         |
| Service life          | 70000 h at rated voltage and 25 °C |

## Environment

|                                       |                                                                                                 |
|---------------------------------------|-------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                              |
| Ambient air temperature for storage   | -40...70 °C                                                                                     |
| Ambient air temperature for operation | -25...70 °C                                                                                     |
| Overvoltage category                  | Class II conforming to IEC 60536                                                                |
| IP degree of protection               | IP20 (rear face) conforming to IEC 60529<br>IP65 (front face) conforming to IEC 60529           |
| NEMA degree of protection             | NEMA 4 conforming to UL 50 E<br>NEMA 12 conforming to UL 50 E                                   |
| Standards                             | JIS C8201-5-1<br>CSA C22.2 No 14<br>UL 508<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>JIS C8201-1 |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6                                                |
| Shock resistance                      | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27           |
| Electromagnetic compatibility         | Disturbing field emission class B conforming to EN 55011                                        |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 18.0 g   |
| Package 1 Height             | 6 cm     |
| Package 1 width              | 10 cm    |
| Package 1 Length             | 15 cm    |
| Unit Type of Package 2       | BAG      |
| Number of Units in Package 2 | 10       |
| Package 2 Weight             | 183.0 g  |
| Package 2 Height             | 6 cm     |
| Package 2 width              | 10 cm    |
| Package 2 Length             | 16 cm    |
| Unit Type of Package 3       | S01      |
| Number of Units in Package 3 | 100      |
| Package 3 Weight             | 2.147 kg |
| Package 3 Height             | 15 cm    |
| Package 3 width              | 15 cm    |
| Package 3 Length             | 40 cm    |

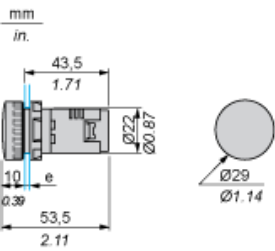
## Offer Sustainability

|                          |                       |
|--------------------------|-----------------------|
| Sustainable offer status | Green Premium product |
|--------------------------|-----------------------|

|                             |                                                                                                                             |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation            | <a href="#">REACH Declaration</a>                                                                                           |
| REACH free of SVHC          | Yes                                                                                                                         |
| EU RoHS Directive           | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                           |
| Toxic heavy metal free      | Yes                                                                                                                         |
| Mercury free                | Yes                                                                                                                         |
| RoHS exemption information  | <a href="#">Yes</a>                                                                                                         |
| China RoHS Regulation       | <a href="#">China RoHS declaration</a>                                                                                      |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>                                                                               |
| Circularity Profile         | <a href="#">End of Life Information</a>                                                                                     |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| <b>Contractual warranty</b> |                                                                                                                             |
| Warranty                    | 18 months                                                                                                                   |

Pilot Light with Screw Terminal

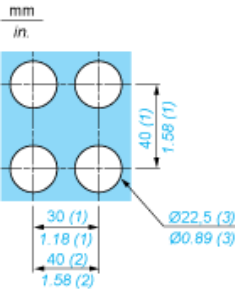
Dimensions



e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

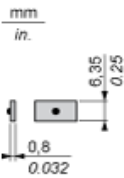
Mounting

Diameter of Finished Fixing Holes

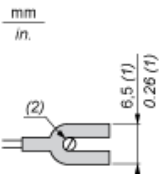


- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

Faston Clip Connection



“U” Type Tag Connection



- (1)6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2)M3 screw clamp terminal.

Wiring Diagram

---

