

# Product data sheet

Specifications



Monolithic pilot light, Harmony XB7,  
plastic, yellow, 22mm, integral LED,  
24V AC DC

XB7EV05BP

## 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   | Yellow              |
| 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                                                                                                                                                                                                                                               |
| Product weight                         | 0.02 kg                                                                                                                                                                                                                                                 |
| Device mounting                        | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to 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 IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm² without cable end conforming to IEC 60947-1                                                                             |
| Tightening torque                      | 0.8...1.2 N.m conforming to IEC 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 IEC 60947-1                                                                                                                                                                                                    |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to IEC 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

|                       |                                    |
|-----------------------|------------------------------------|
| 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                             | IEC 60947-1<br>UL 508<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-5-1<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 IEC 55011                                 |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 3.000 cm  |
| Package 1 Width              | 3.000 cm  |
| Package 1 Length             | 5.500 cm  |
| Package 1 Weight             | 18.000 g  |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 10        |
| Package 2 Height             | 6.000 cm  |
| Package 2 Width              | 10.000 cm |
| Package 2 Length             | 15.000 cm |
| Package 2 Weight             | 185.000 g |
| Unit Type of Package 3       | S01       |
| Number of Units in Package 3 | 100       |
| Package 3 Height             | 15.000 cm |
| Package 3 Width              | 15.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 2.155 kg  |

## Contractual warranty

Warranty

18 months

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 | 1                                             |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                                                                                                                                                                                                                                                          |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                                                          |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| California proposition 65              | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Use Again

| Repack and remanufacture        |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| 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

Pilot Light with Screw Terminal

Dimensions

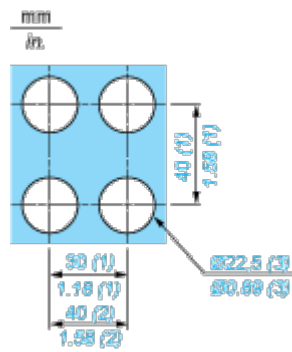


e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting and Clearance

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.

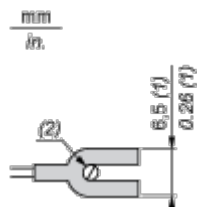
Faston Clip Connection

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“U” Type Tag Connection

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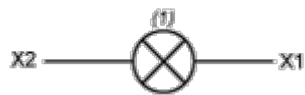


- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

Connections and Schema

Wiring Diagram

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(1) LED

Image of product / Alternate images

Alternative

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