

# Product data sheet

Specifications



pilot light, Harmony XB5, grey plastic, white, 22mm, universal LED, plain lens, 110...120V AC

XB5AVG1

**Important message:** A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks

## Main

|                                 |                            |
|---------------------------------|----------------------------|
| Range of product                | Harmony XB5                |
| Product or component type       | Pilot light                |
| Device short name               | XB5                        |
| Bezel material                  | Dark grey plastic          |
| Fixing collar material          | Plastic                    |
| Head type                       | Standard                   |
| Mounting diameter               | 22.5 mm                    |
| Sale per indivisible quantity   | 1                          |
| Shape of signaling unit head    | Round                      |
| Cap/operator or lens colour     | White                      |
| Operator additional information | With plain lens            |
| Light source                    | Universal LED              |
| Bulb base                       | Integral LED               |
| Light source colour             | White                      |
| [Us] rated supply voltage       | 110...120 V AC at 50/60 Hz |
| Device presentation             | Complete product           |

## Complementary

|                                        |                                                                                                                                                                             |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height                                 | 42 mm                                                                                                                                                                       |
| Width                                  | 30 mm                                                                                                                                                                       |
| Depth                                  | 54 mm                                                                                                                                                                       |
| Terminals description ISO n°1          | (X1-X2)PL                                                                                                                                                                   |
| Net weight                             | 0.038 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 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                                                                                                                                                                      |
| GCR BRIDGE                             | XB5AVCUST04                                                                                                                                                                 |

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

|                       |                                     |
|-----------------------|-------------------------------------|
| Compatibility code    | XB5                                 |
| Supply voltage limits | 100...132 V AC                      |
| Current consumption   | 14 mA                               |
| Service life          | 100000 h at rated voltage and 25 °C |
| Surge withstand       | 1 kV conforming to IEC 61000-4-5    |

## Environment

|                                       |                                                                                                                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                                                                                                                             |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                                                                                                                                                    |
| Ambient air temperature for operation | -40...70 °C                                                                                                                                                                                                                                                                    |
| Overvoltage category                  | Class II conforming to IEC 60536                                                                                                                                                                                                                                               |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP69 conforming to IEC 60529<br>IP69K conforming to ISO 20653                                                                                                                                                  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                                                                                                                                             |
| IK degree of protection               | IK05 conforming to IEC 50102                                                                                                                                                                                                                                                   |
| Standards                             | JIS C8201-5-1<br>CSA C22.2 No 14<br>UL 508<br>IEC 60947-1<br>IEC 60947-5-4<br>IEC 60947-5-1<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                      | 50 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>30 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                                                                                                                                                                                                                                             |
| Electromagnetic compatibility         | Electrostatic discharge - test level: 6 kV (on contact (on metal parts)) conforming to IEC 61000-4-2<br>Electrostatic discharge - test level: 8 kV (in free air (in insulating parts)) conforming to IEC 61000-4-2<br>Electromagnetic emission class B conforming to IEC 55011 |
| 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             | 9.1 cm |
| Package 1 Width              | 3.6 cm |
| Package 1 Length             | 5.4 cm |
| Package 1 Weight             | 36.0 g |

|                              |          |
|------------------------------|----------|
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 100      |
| Package 2 Height             | 30 cm    |
| Package 2 Width              | 30 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 4.048 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 | 103                                           |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                             |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                         |
| Packaging without single use plastic   | Yes                                                                                                                                                                                                                                                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                  |
| SCIP Number                            | 3d14fd98-3859-4733-a5ee-a3016769973c                                                                                                                                                                                                                                                        |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| 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> |

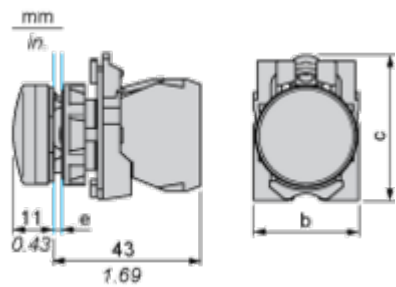
Use Again

| 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

Dimensions

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

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

**c:** 41.5 mm / 1.63 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



- (1) Diameter on finished panel or support  
(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.  
(3) Ø22.5 mm recommended ( $\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in.} \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|-----------------------------------------------|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors                          | 45      | 1.77     | 32      | 1.26     |
| On printed circuit board                      | 30      | 1.18     | 30      | 1.18     |

Detail of Lug Recess



- (1) Diameter on finished panel or support  
(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.  
(3) Ø22.5 mm recommended ( $\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in.} \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )

Technical Illustration

Dimensions

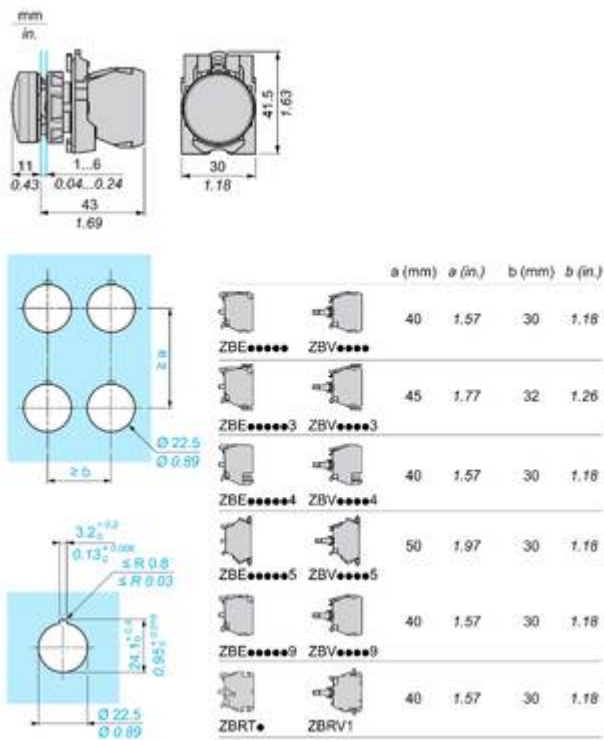


Image of product / Alternate images

Alternative

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Image of product in real life situation

