

# Product datasheet

Specifications



## green pilot light head Ø22 with plain lens for BA9s bulb

Local distributor code:  
237102784

ZB4BV03

EAN Code: 3389110889505

### Main

|                                 |                       |
|---------------------------------|-----------------------|
| Range of product                | Harmony XB4           |
| Product or component type       | Head for pilot light  |
| Product compatibility           | BA 9s                 |
| Device short name               | ZB4                   |
| Bezel material                  | Chromium plated metal |
| Mounting diameter               | 22 mm                 |
| Sale per indivisible quantity   | 1                     |
| Head type                       | Standard              |
| Shape of signaling unit head    | Round                 |
| Cap/operator or lens colour     | Green                 |
| Operator additional information | With plain lens       |

### Complementary

|                                    |  |
|------------------------------------|--|
| CAD overall width                  | 29 mm  |
| CAD overall height                 | 29 mm  |
| CAD overall depth                  | 31 mm  |
| Net weight                         | 0.027 kg   |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m  |
| Electrical composition code        | P3 in front mounting with BA 9s<br>P4 in front mounting with BA 9s and transformer |
| Device presentation                | Basic element  |

### Environment

|                                       |   |
|---------------------------------------|---|
| Protective treatment                  | TH  |
| Ambient air temperature for storage   | -40...70 °C   |
| Ambient air temperature for operation | -40...55 °C   |
| Overvoltage category                  | 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                          |

|                             |  |
|-----------------------------|--|
| <b>Standards</b>            | JIS C8201-5-1<br>IEC 60947-5-4<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>IEC 60947-1<br>UL 508<br>IEC 60947-5-5<br>JIS C8201-1  |
| <b>Vibration resistance</b> | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6   |
| <b>Shock resistance</b>     | 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 |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 4.500 cm  |
| <b>Package 1 Width</b>              | 3.400 cm  |
| <b>Package 1 Length</b>             | 5.400 cm  |
| <b>Package 1 Weight</b>             | 24.000 g  |
| <b>Unit Type of Package 2</b>       | S03       |
| <b>Number of Units in Package 2</b> | 300       |
| <b>Package 2 Height</b>             | 30.000 cm |
| <b>Package 2 Width</b>              | 30.000 cm |
| <b>Package 2 Length</b>             | 40.000 cm |
| <b>Package 2 Weight</b>             | 7.435 kg  |

## Logistical informations

|                          |    |
|--------------------------|----|
| <b>Country of origin</b> | FR |
|--------------------------|----|

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 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 [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation [REACH Declaration](#)

## Use Again

### Repack and remanufacture

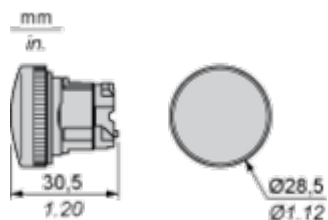
End of life manual availability [End of Life Information](#)

Take-back No

Dimensions Drawings

Dimensions

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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  |
|---|--|
|    |  |
| <p>(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) <math>\varnothing 22.5 \text{ mm} / 0.89 \text{ in.}</math> recommended (<math>\varnothing 22.3 \text{ mm} \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix} / 0.88 \text{ in.} \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}</math>)<br/>                 (5) 45 mm min. / 1.78 in. min.<br/>                 (6) 32 mm min. / 1.26 in. min.</p> |  |





A: 1.18 in. min.  
 B: 1.57 in. min.

**General Tolerances of the Panel and Printed Circuit Board**

The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

**Installation Precautions**

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB4 BZ009: ± 2° 30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 fixing collar/pillar and its fixing screws:
  - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - with each selector switch head (ZB4 BD\*, ZB4 BJ\*, ZB4 BG\*).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



- (1) Panel
- (2) Printed circuit board

**Mounting of Adapter (Socket) ZBZ 01•**

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ 01•
- 3 8  $\times$   $\varnothing$  1.2 mm / 0.05 in. holes
- 4 1 hole  $\varnothing$  2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes  $\varnothing$  2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

## Technical Description

### Electrical Composition Corresponding to Codes P1, P3, PF1, PR1 and PF2

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Light block



Electrical Composition Corresponding to Code P4

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**Legend**

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Single contact



Double contact



Light block

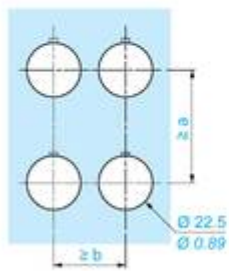
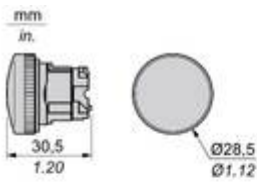


Possible location



Technical Illustration

Dimensions



|           |           | a (mm) | a (in.) | b (mm) | b (in.) |
|-----------|-----------|--------|---------|--------|---------|
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....  | ZBV.....  |        |         |        |         |
|           |           | 45     | 1.77    | 32     | 1.26    |
| ZBE.....3 | ZBV.....3 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....4 | ZBV.....4 |        |         |        |         |
|           |           | 50     | 1.97    | 30     | 1.18    |
| ZBE.....5 | ZBV.....5 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....9 | ZBV.....9 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBRT•     | ZBRV1     |        |         |        |         |

Offer Marketing Illustration

Product benefits / Features

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The graphic features a green background with the title "Features" and subtitle "Harmony XB4/XB5 Illuminated functions". It contains four feature descriptions, each with an icon and a corresponding image of a switch component:

- NEW universal LED Block for all colors:** Accompanied by a square icon with a smaller square inside. The image shows a green switch with a black LED block.
- Simple stock management:** Accompanied by an icon of a person with a checkmark. The image shows a black switch with a red LED block.
- Improved installation time and easy selection:** Accompanied by a circular arrow icon. The image shows a yellow switch with a black LED block.
- Improved color intensity and brightness:** Accompanied by a sun icon. The image shows a black switch with a red LED block.

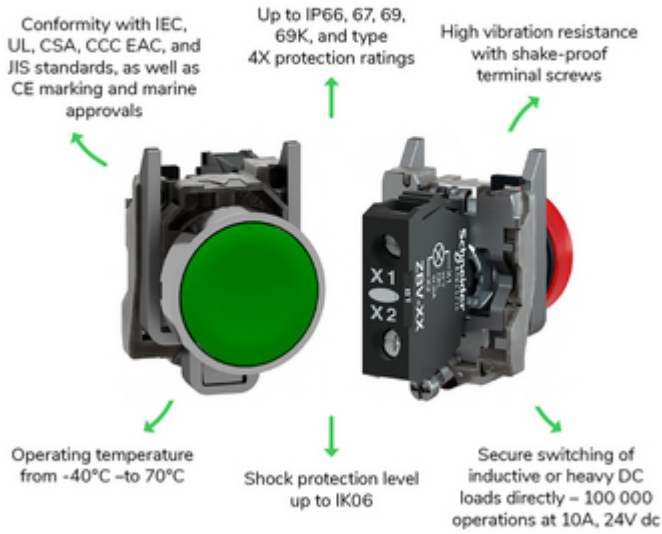
Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

### Harmony XB4



Offer Marketing Illustration

Product benefits / Features

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The infographic features a central image of a red Schneider XB4 circuit breaker. It is surrounded by five circular icons, each with a corresponding text description of a feature. The background is a solid green color.

### Features Harmony XB4

-  Quick and easy assembly and disassembly
-  Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board
-  Excellent mechanical connection with operator head
-  Large set of accessories to customize your panels
-  Robustness to withstand harsh environments

Image of product / Alternate images

Alternative

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