



### Main

|                                 |                      |
|---------------------------------|----------------------|
| Range of product                | Harmony XB5          |
| Product or component type       | Head for pilot light |
| Product compatibility           | Integral LED         |
| Device short name               | ZB5                  |
| Bezel material                  | Dark grey plastic    |
| Mounting diameter               | 22 mm                |
| Head type                       | Standard             |
| Sale per indivisible quantity   | 1                    |
| Shape of signaling unit head    | Round                |
| Cap/operator or lens colour     | Yellow               |
| Operator additional information | With grooved lens    |

### Complementary

|                             |                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width           | 29 mm                                                                                                                                       |
| CAD overall height          | 29 mm                                                                                                                                       |
| CAD overall depth           | 31 mm                                                                                                                                       |
| Net weight                  | 0.017 kg                                                                                                                                    |
| Station name                | XALD 1...5 cut-outs<br>XALK 2...5 cut-outs                                                                                                  |
| Electrical composition code | P1 in front mounting with integral LED<br>P2 in front mounting with integral LED and transformer<br>PF1 in front mounting with integral LED |
| Device presentation         | Basic element                                                                                                                               |

### 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                                                                                                                      |
| Resistance to high pressure washer    | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                   |
| IK degree of protection               | IK05 conforming to IEC 50102                                                                                                            |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5-5<br>JIS C8201-5-1<br>UL 508<br>JIS C8201-1 |
| Environmental characteristic          | High ambient lighting environment                                                                                                       |

|                      |                                                                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vibration resistance | 5 gn (f= 2...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 |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 16 g     |
| Package 1 Height             | 4 cm     |
| Package 1 width              | 5 cm     |
| Package 1 Length             | 3.2 cm   |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 5        |
| Package 2 Weight             | 80 g     |
| Package 2 Height             | 4.4 cm   |
| Package 2 width              | 27 cm    |
| Package 2 Length             | 3.4 cm   |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 100      |
| Package 3 Weight             | 1.817 kg |
| Package 3 Height             | 15 cm    |
| Package 3 width              | 30 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) <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>                                                        |

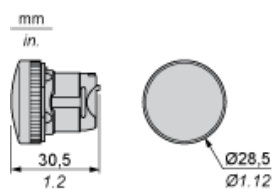
## Contractual warranty

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

---

Dimensions

---



## 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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

| 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)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

## Panel Cut-outs (Viewed from Installer's Side)



A: 30 mm min. / 1.18 in. min.

B: 40 mm min. / 1.57 in. min.

## Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



A: 30 mm min.

B: 40 mm min.

Technical drawing of a rectangular plate with a grid of holes. The drawing shows a central grid of holes with dimensions for hole diameter, pitch, and plate size. A blue shaded area highlights a central portion of the grid. Dimensions are given in millimeters. Key dimensions include: hole diameter  $\varnothing 0.11 \pm 0.002$ , hole pitch  $0.71 \pm 0.004$ , and plate dimensions  $B_n \pm T_2$ ,  $B_1 \pm T_2$ ,  $B \pm T_2$ . A coordinate system (X, Y) is shown at the bottom right.

Technical drawing of the ZBE 70/ZBV B 7 valve assembly. The drawing shows a side view of the valve with various components labeled. The dimensions are as follows:

- Overall length:  $49.75 \pm 0.3$
- Distance from front face to center of the valve:  $1.96 \pm 0.012$
- Distance from front face to the end of the valve body:  $55.4 \text{ max}$
- Distance from front face to the end of the valve body (including the handle):  $2.18 \text{ max}$

Labels and callouts:

- (1) indicates the front face of the valve.
- (2) indicates the center of the valve.
- (3) indicates the handle.
- ZB5 AZ079 is the handle label.
- ZBE 70/ZBV B 7 is the main valve label.
- ZBZ 01 is the label for the valve body.
- (4) indicates the end of the valve body.
- ZBZ 006 is the label for the valve body.

- Life Is On | Schneider Electric

### Mounting of Adapter (Socket) ZBZ01•

- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  for centring adapter ZBZ01•
- 3 8  $\times \varnothing 1.2 \text{ mm} / 0.05 \text{ in.}$  holes
- 4 1 hole  $\varnothing 2.9 \text{ mm} \pm 0.05 / 0.11 \text{ in.} \pm 0.002$ , 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  $\varnothing 2.4 \text{ mm} / 0.09 \text{ in.}$  for clipping in adapter ZBZ01•

Dimensions An + 18.1 relate to the  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  holes for centring adapter ZBZ01•.

---

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

---

Light block



---

Electrical Composition Corresponding to Codes M6 and P2

---



---

Legend

---

Single contact



Double contact



Light block



Possible location

