

# ZB4BV043S

red pilot light head Ø22 with grooved lens for integral LED

Product availability : Stock - Normally stocked in distribution facility

Price\* : 7.60 USD



## Main

|                                 |                                   |
|---------------------------------|-----------------------------------|
| Range of product                | Harmony XB4                       |
| Product or component type       | Head for pilot light              |
| Product compatibility           | Integral LED                      |
| Device short name               | ZB4                               |
| Bezel material                  | Chromium plated metal             |
| Mounting diameter               | 0.87 in (22 mm)                   |
| Sale per indivisible quantity   | 1                                 |
| Shape of signaling unit head    | Round                             |
| Cap/Operator or lens colour     | Red                               |
| Operator additional information | With grooved lens                 |
| Environmental characteristic    | High ambient lighting environment |

## Complementary

|                                    |  |
|------------------------------------|--|
| CAD overall width                  | 1.14 in (29 mm)  |
| CAD overall height                 | 1.14 in (29 mm)  |
| CAD overall depth                  | 1.18 in (30 mm)  |
| Product weight                     | 0.06 lb(US) (0.026 kg)   |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) at 131 °F (55 °C),distance: 0.1 m                                       |
| Electrical composition code        | P1 in front mounting with integral LED<br>P2 in front mounting with integral LED and transformer |
| Main group                         | Pilot light  |
| Group of product                   | Lens fitted integral LED   |
| Cap/Operator or lens colour        | Red  |
| Compatibility code                 | ZB4  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Protective treatment                  | TH   |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)   |
| Ambient air temperature for operation | -40...158 °F (-40...70 °C)   |
| Overvoltage category                  | Class I conforming to IEC 60536  |
| Electrical shock protection class     | Class I conforming to IEC 60536  |
| IP degree of protection               | IP69<br>IP67<br>IP66 conforming to IEC 60529<br>IP69K  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X   |
| IK degree of protection               | IK06 conforming to IEC 50102   |
| Standards                             | EN/IEC 60947-5-5<br>UL 508<br>JIS C 4520<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>CSA C22.2 No 14  |
| Vibration resistance                  | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6  |
| Shock resistance                      | 30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 |

## Ordering and shipping details

|                       |                                     |
|-----------------------|-------------------------------------|
| Category              | 22468 - PUSHBUTTONS,22MM(METAL) NEW |
| Discount Schedule     | CS2                                 |
| GTIN                  | 00785901634751                      |
| Nbr. of units in pkg. | 1                                   |
| Package weight(Lbs)   | 5.999999999999998E-2                |
| Returnability         | Y                                   |
| Country of origin     | FR                                  |

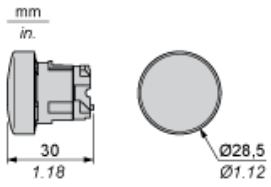
## Contractual warranty

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

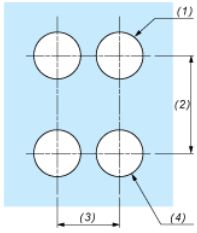
---

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  | On Circuit Board 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) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm<sub>0</sub><sup>+0.4</sup> / 0.88 in. <sub>0</sub><sup>+0.016</sup>)<br/>           (5) 45 mm min. / 1.78 in. min.<br/>           (6) 32 mm min. / 1.26 in. min.</p> |                                    |



Dimensions in in.



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:  $T1 + T2 = 0.3 \text{ mm max.}$

### Installation Precautions

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm  $\pm$  0.1 / 0.88 in.  $\pm$  0.004
- Orientation of body/fixing collar ZB4 BZ009:  $\pm 2^\circ 30'$  (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  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  for centring adapter ZBZ 01•
- 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 ZBZ 01•

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 ZBZ 01•.

---

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

