



### Main

|                               |  |
|-------------------------------|--|
| Range of Product              | Harmony XB4  |
| Product or Component Type     | Head for triple-headed push-button                 |
| Device short name             | ZB4  |
| Bezel material                | Black metal  |
| Mounting diameter             | 0.87 in (22 mm)                                    |
| Sale per indivisible quantity | 1  |
| Head type                     | Standard   |
| Shape of signaling unit head  | Rectangular  |
| Type of operator              | Spring return                                      |
| Operator profile              | 2 flush - 1 central projecting STOP push-buttons   |
| Operators description         | White "up arrow" - white "down arrow" - red "STOP" |

### Complementary

|                                    |  |
|------------------------------------|--|
| Net Weight                         | 0.12 lb(US) (0.056 kg)   |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m  |
| Colour of marking                  | Black marking when white caps<br>White marking when green, red or black caps                       |
| Operator profile                   | Red projecting, STOP white)<br>White flush, down arrow black)<br>White flush, up arrow black)      |
| Mechanical durability              | 1000000 cycles   |
| Electrical composition code        | C1 9 single front mounting<br>C2 9 single and double front mounting<br>C11 3 single front mounting |
| Device presentation                | Basic element  |

### Environment

|                                       |   |
|---------------------------------------|---|
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)  |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)  |
| Electrical shock protection class     | Class I IEC 60536   |
| IP degree of protection               | IP69 IEC 60529<br>IP69K IEC 60529   |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X  |
| IK degree of protection               | IK06 IEC 50102  |
| Standards                             | EN/IEC 60947-5-4<br>EN/IEC 60947-1<br>JIS C8201-5-1<br>EN/IEC 60947-5-5<br>CSA C22.2 No 14<br>UL 508<br>EN/IEC 60947-5-1<br>JIS C8201-1 |
| Product Certifications                | LROS (Lloyds register of shipping)<br>GL<br>UL Listed<br>BV<br>CSA<br>DNV   |

|                      |  |
|----------------------|--|
| Vibration resistance | 5 gn 2...500 Hz)IEC 60068-2-6  |
| Shock resistance     | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 |

## Ordering and shipping details

|                       |                                   |
|-----------------------|-----------------------------------|
| Category              | 22468-PUSHBUTTONS,22MM(METAL) NEW |
| Discount Schedule     | CS2                               |
| GTIN                  | 3389119044103                     |
| Nbr. of units in pkg. | 1                                 |
| Package weight(Lbs)   | 1.98 oz (56.0 g)                  |
| Returnability         | No                                |
| Country of origin     | FR                                |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.77 in (4.5 cm) |
| Package 1 width        | 1.30 in (3.3 cm) |
| Package 1 Length       | 2.09 in (5.3 cm) |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| 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

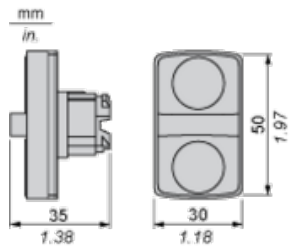
|          |           |
|----------|-----------|
| Warranty | 18 months |
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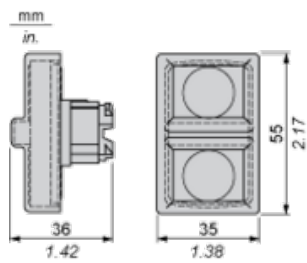
Dimensions

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Without Boot



With Boot ZBA709



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</math> mm / 0.89 in. recommended (<math>\varnothing 22.3</math> mm <math>_0^{+0.4}</math> / 0.88 in. <math>_0^{+0.016}</math>)<br/>                 (5) 45 mm min. / 1.78 in. min.<br/>                 (6) 32 mm min. / 1.26 in. min.</p> |   |

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.  
 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 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•.

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Electrical Composition Corresponding to Code C1

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Electrical Composition Corresponding to Code C2

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Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

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Legend

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Single contact

Double contact

Light block

Possible location

