

## ZB5AA71114

white flush/red projecting/white flush triple-headed pushbutton Ø22 with marking



### Main

|                              |                                                    |
|------------------------------|----------------------------------------------------|
| Range of product             | Harmony XB5                                        |
| Product or component type    | Head for triple-headed push-button                 |
| Device short name            | XB5                                                |
| Bezel material               | Plastic                                            |
| Mounting diameter            | 22 mm                                              |
| 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

|                                    |                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                  | 30 mm                                                                                                                                                                                                                                                                                                            |
| CAD overall height                 | 50 mm                                                                                                                                                                                                                                                                                                            |
| CAD overall depth                  | 35 mm                                                                                                                                                                                                                                                                                                            |
| Product weight                     | 0.023 kg                                                                                                                                                                                                                                                                                                         |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance: 0.1 m                                                                                                                                                                                                                                                                             |
| Colour of marking                  | Black marking when white caps<br>White marking when green, red or black caps                                                                                                                                                                                                                                     |
| Operator profile                   | Red projecting, white STOP<br>White flush, black down arrow<br>White flush, black up arrow                                                                                                                                                                                                                       |
| Mechanical durability              | 1000000 cycles                                                                                                                                                                                                                                                                                                   |
| Station name                       | XALD 1 cut-out                                                                                                                                                                                                                                                                                                   |
| Electrical composition code        | C11 for 3 contacts using single blocks in front mounting<br>SF1 for 3 contacts using single blocks in front mounting<br>C1 for 9 contacts using single blocks in front mounting<br>C2 for 9 contacts using single and double blocks in front mounting<br>SR1 for 3 contacts using single blocks in rear mounting |

### Environment

|                                       |                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------|
| ambient air temperature for storage   | -40...70 °C                                                                                       |
| ambient air temperature for operation | -25...70 °C                                                                                       |
| electrical shock protection class     | Class II conforming to IEC 61140                                                                  |
| IP degree of protection               | IP67 conforming to IEC 60529<br>IP69K<br>IP69 conforming to IEC 60529                             |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                |
| IK degree of protection               | IK05 conforming to IEC 50102                                                                      |
| standards                             | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14 |
| product certifications                | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL listed                 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

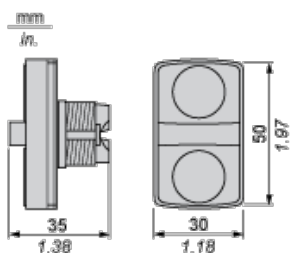
|                      |                                                                                                                                                                                |
|----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |

## Contractual warranty

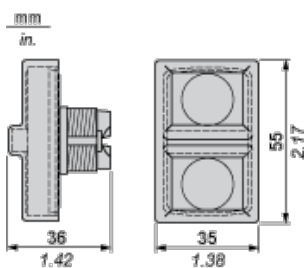
|                 |                     |
|-----------------|---------------------|
| Warranty period | 18 months 18 months |
|-----------------|---------------------|

## Dimensions

### Without Boot

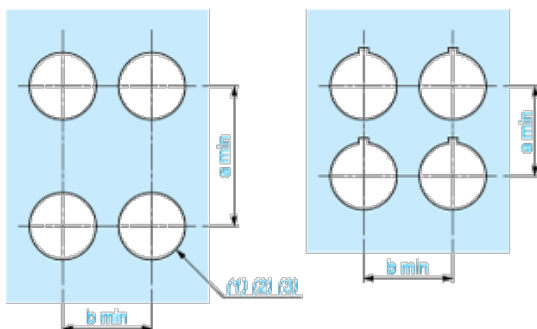


### With Boot ZBA709



## Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

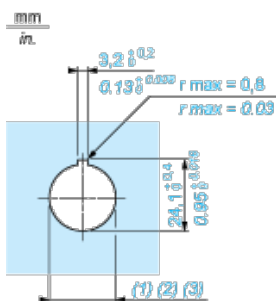
### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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 (Ø22.3<sup>+0.4</sup><sub>0</sub>) / Ø0.89 in. recommended (Ø0.88 in.<sup>+0.016</sup><sub>0</sub>)

| 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     |

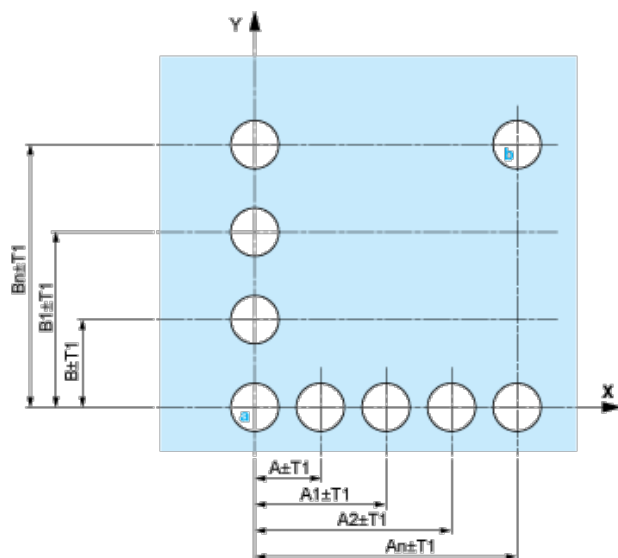
### Detail of Lug Recess



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

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

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

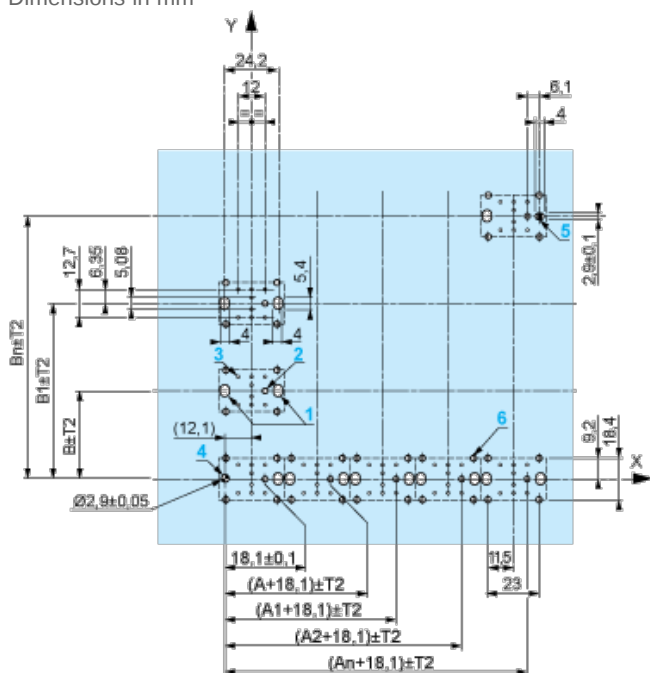


A: 30 mm min. / 1.18 in. min.

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.

**B:** 1.57 in. min.

The cumulative tolerance must not exceed 0.3 mm / 0.012 in.:  $T1 + T2 = 0.3 \text{ mm max.}$

- l Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- l Cut-out diameter: 22.4 mm  $\pm$  0.1 / 0.88 in.  $\pm$  0.004
- l Orientation of body/fixing collar ZB5AZ009:  $\pm$  2°30' (excluding cut-outs marked **a** and **b**).
- l Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- l Allow for one ZB5AZ079 fixing collar/pillar and its fixing screws:
  - l every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - l with each selector switch head (ZB5AD•, ZB5AJ•, ZB5AG•).

mm  
in.

(1)  
(2)  
(3)

ZB5 AZ079  
ZBE 70/ZBV Bø7  
ZBZ 01  
(4)  
ZBZ 008

49.75 ± 0.3  
1.96 ± 0.012  
55.4 max  
2.18 max

- | **1** 2 elongated holes for ZBZ006 screw access
- | **2** 1 hole  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ01\*
- | **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 Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.

### Electrical Composition Corresponding to Code C1



### Electrical Composition Corresponding to Code C2



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



### Legend

Single contact



Double contact



Light block



Possible location

