



### Main

|                               |                                     |
|-------------------------------|-------------------------------------|
| Range of product              | Harmony XB5                         |
| Product or component type     | Head for non-illuminated pushbutton |
| Device short name             | ZB5                                 |
| Bezel material                | Plastic                             |
| Mounting diameter             | 22 mm                               |
| Sale per indivisible quantity | 1                                   |
| Shape of signaling unit head  | Round                               |
| Type of operator              | Push-push                           |
| Operator profile              | White flush unmarked                |

### Complementary

|                                    |  |
|------------------------------------|--|
| CAD overall width                  | 29 mm                                      |
| CAD overall height                 | 29 mm                                      |
| CAD overall depth                  | 28 mm                                      |
| Product weight                     | 0.018 kg                                   |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance: 0.1 m       |
| Mechanical durability              | 500000 cycles                              |
| Main group                         | Pushbutton                                 |
| Group of product                   | Flush push-push non illum                  |
| Maximum of contact NO or NC        | 3  |
| Station name                       | XALD 1...5 cut-outs<br>XALK 2...5 cut-outs |
| Cap/Operator or lens colour        | White                                      |
| Marking                            | Unmarked                                   |

### Environment

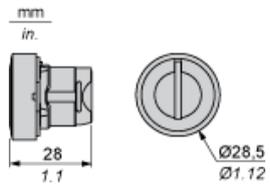
|  |   |
|--|---|
| Protective treatment                       | TH  |
| Ambient air temperature for storage        | -40...70 °C   |
| Ambient air temperature for operation      | -25...70 °C   |
| Class of protection against electric shock | Class II conforming to IEC 60536  |
| IP degree of protection                    | IP66 conforming to IEC 60529  |
| NEMA degree of protection                  | NEMA 13<br>NEMA 4X  |
| IK degree of protection                    | IK03 conforming to IEC 50102  |
| Standards                                  | CSA C22-2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508 |
| Product certifications                     | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL listed                                     |
| Vibration resistance                       | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6   |

|                          |  |
|--------------------------|--|
| Shock resistance         | 30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27 |
| RoHS EUR status          | Compliant  |
| RoHS EUR conformity date | 0646   |

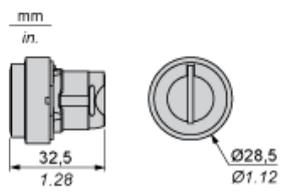
Dimensions of Heads for "Push-Push to Release" Pushbuttons

Heads for "Push-Push to Release" Pushbuttons

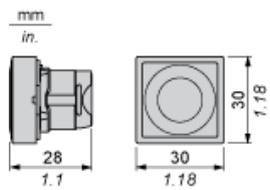
ZB5 AH0•



ZB5 AH•

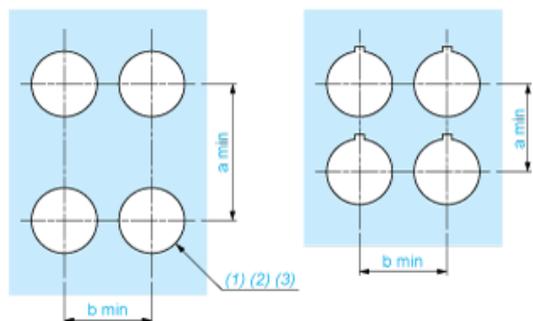


ZB5 CH0•



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

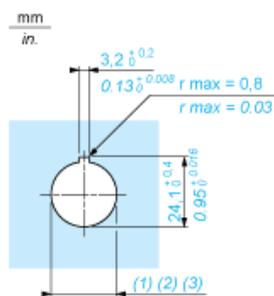
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5 AZ902 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     |

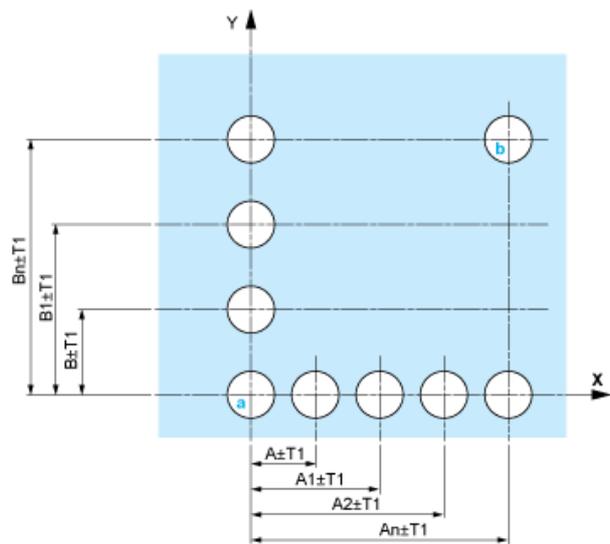
Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5 AZ902 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

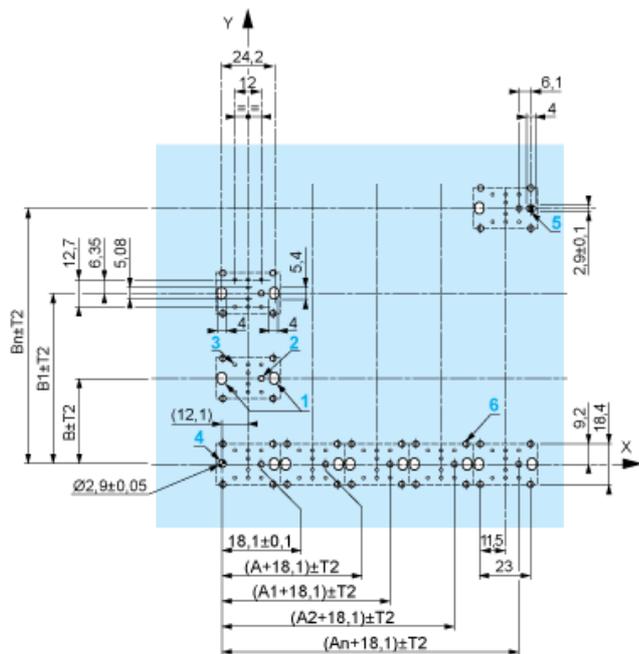
### Panel Cut-outs (Viewed from Installer's Side)



- 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.



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•.