



## Main

|                                 |                      |
|---------------------------------|----------------------|
| Range of product                | Harmony XB5          |
| Product or component type       | Head for pilot light |
| Product compatibility           | BA 9s                |
| Device short name               | ZB5                  |
| Bezel material                  | Dark grey plastic    |
| Mounting diameter               | 0.87 in (22 mm)      |
| Head type                       | Standard             |
| Sale per indivisible quantity   | 1                    |
| Shape of signaling unit head    | Round                |
| Cap/operator or lens colour     | Blue                 |
| Operator additional information | With grooved lens    |

## Complementary

|                             |                                                                                                |
|-----------------------------|------------------------------------------------------------------------------------------------|
| CAD overall width           | 1.14 in (29 mm)                                                                                |
| CAD overall height          | 1.14 in (29 mm)                                                                                |
| CAD overall depth           | 1.22 in (31 mm)                                                                                |
| Net Weight                  | 0.04 lb(US) (0.017 kg)                                                                         |
| Station name                | XALD 1...5 cut-outs<br>XALK 2...5 cut-outs                                                     |
| Electrical composition code | P3 front mounting BA 9s<br>P4 front mounting BA 9s and transformer<br>PF2 front mounting BA 9s |

## 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 II IEC 60536                                                                                                    |
| IP degree of protection               | IP66 IEC 60529<br>IP67 IEC 60529<br>IP69 IEC 60529<br>IP69K ISO 20653                                                 |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                    |
| Resistance to high pressure washer    | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                         |
| IK degree of protection               | IK05 IEC 50102                                                                                                        |
| Standards                             | UL 508<br>JIS C 4520<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1 |
| Environmental characteristic          | High ambient lighting environment                                                                                     |
| 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              | 22467 - PUSHBUTTONS,22MM(PLASTIC) NEW |
| Discount Schedule     | CS2                                   |
| GTIN                  | 03389110072228                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 0.04 lb(US) (0.02 kg)                 |
| Returnability         | No                                    |
| Country of origin     | FR                                    |

## Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 2.13 in (5.4 cm) |
| Package 1 width        | 1.34 in (3.4 cm) |
| Package 1 Length       | 1.73 in (4.4 cm) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                 |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds which is known to the State of California to cause Carcinogen & Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</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>                                                                                                                                                                                                                               |

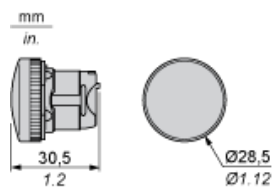
## Contractual warranty

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

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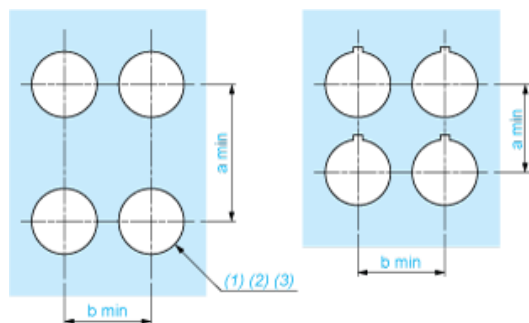
Dimensions

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

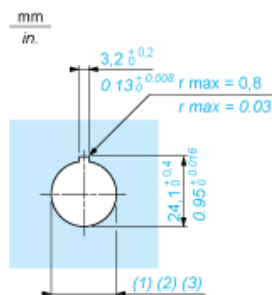
### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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     |

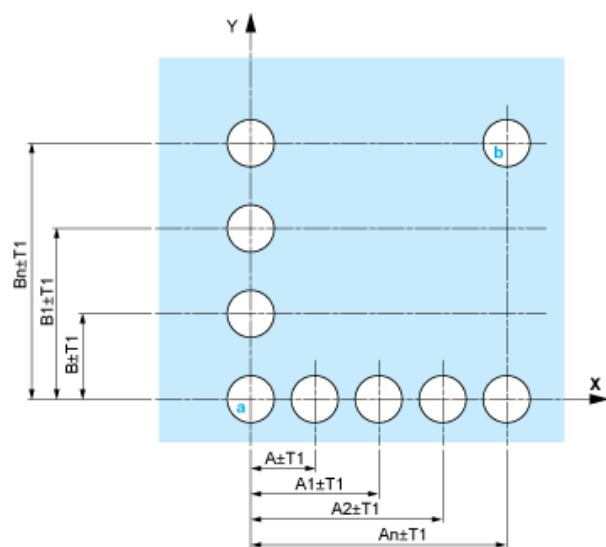
### Detail of Lug Recess



- (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)

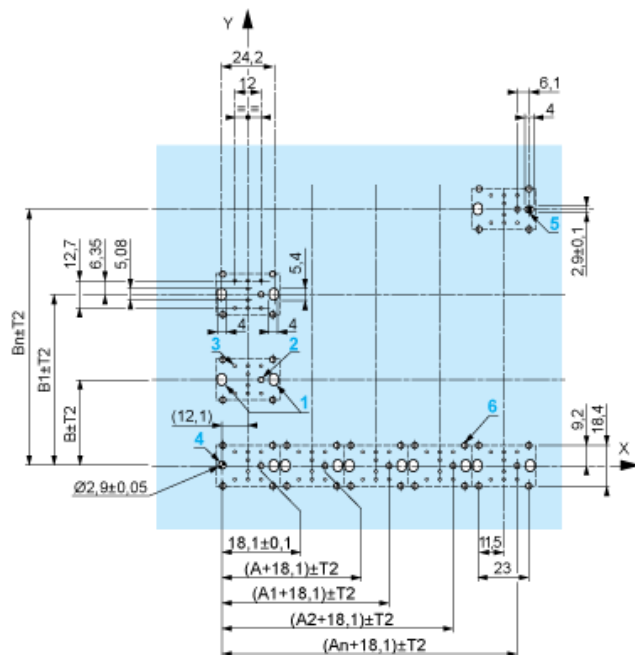


A: 30 mm min. / 1.18 in. min.

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.

[illegible]

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

- Overall length:  $49.75 \pm 0.3$
- Distance from front face to start of last thread:  $1.96 \pm 0.012$
- Distance from front face to end of last thread:  $55.4 \text{ max}$
- Distance from front face to end of last thread (alternative dimension):  $2.18 \text{ max}$

Labels and callouts:

- (1) Front face of the assembly.
- (2) Start of last thread.
- (3) End of last thread.
- ZB5 AZ079: Label for the front flange.
- ZBE 70/ZBV B 7: Label for the main body.
- ZBZ 01: Label for the internal component.
- ZBZ 006: Label for the rear flange.

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### Mounting of Adapter (Socket) ZBZ01•

- 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  $\varnothing$  2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

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

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

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Light block



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Electrical Composition Corresponding to Code P4

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Legend

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Single contact



Double contact



Light block



Possible location

