# ZB5AA34

Head for non illuminated push button, Harmony XB5, XB4, green flush pushbutton Ø22 mm spring return unmarked

Green Premium™ Product

## Main

| | |
|---|---|
| Range of Product | Harmony XB5 |
| Product or Component Type | Head for non-illuminated push-button |
| 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 |
| Type of operator | Spring return |
| Operator profile | Green flush, unmarked |
| Operator additional information | High guard |

## 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) (0.02 kg) |
| Mechanical durability | 10000000 cycles |
| Station name | XALD 1...5 cut-outs<br>XALK 2...5 cut-outs |
| Electrical composition code | C1 9 single front mounting<br>C2 9 single and double front mounting<br>C11 3 single front mounting<br>C15 1 single front mounting<br>SF1 3 single front mounting<br>SR1 3 single rear mounting |
| Device presentation | Basic element |

## 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<br>IP69<br>IP69K |
| 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 | IK03 IEC 50102 |

| Product Certifications | LROS (Lloyds register of shipping) |
| --- | --- |
| | CSA |
| | UL Listed |
| | BV |
| | GL |
| | DNV |
| Shock resistance | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 |
| | 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 |
| Vibration resistance | 5 gn 2…500 Hz)IEC 60068-2-6 |

## Ordering and shipping details

| Category | 22467-PUSHBUTTONS,22MM(PLASTIC) NEW |
| --- | --- |
| Discount Schedule | CS2 |
| GTIN | 3389110134742 |
| Nbr. of units in pkg. | 1 |
| Package weight(Lbs) | 0.67 oz (19.0 g) |
| Returnability | No |
| Country of origin | FR |

## Packing Units

| Unit Type of Package 1 | PCE |
| --- | --- |
| Package 1 Height | 1.69 in (4.3 cm) |
| Package 1 width | 1.34 in (3.4 cm) |
| Package 1 Length | 2.05 in (5.2 cm) |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 50 |
| Package 2 Weight | 2.59 lb(US) (1.175 kg) |
| Package 2 Height | 5.91 in (15 cm) |
| Package 2 width | 5.91 in (15 cm) |
| Package 2 Length | 15.75 in (40 cm) |

## Offer Sustainability

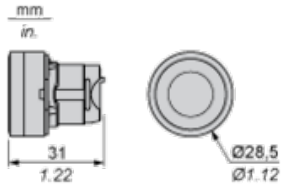| Sustainable offer status | Green Premium product |
| --- | --- |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |
| REACh Regulation | REACh Declaration |
| REACh free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS Declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End Of Life Information |

## Contractual warranty

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

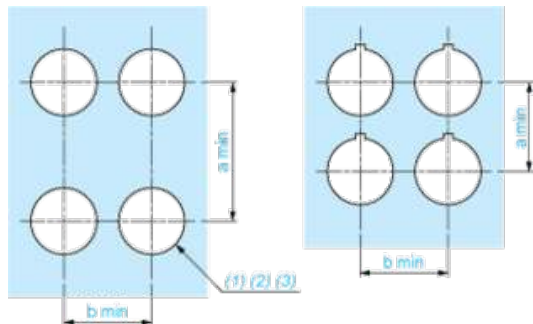Life Is On | Schneider Electric

## Dimensions

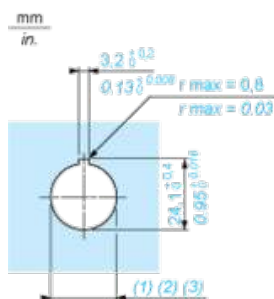## Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

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



(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 $_0$ $^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0$ $^{+0.016}$)

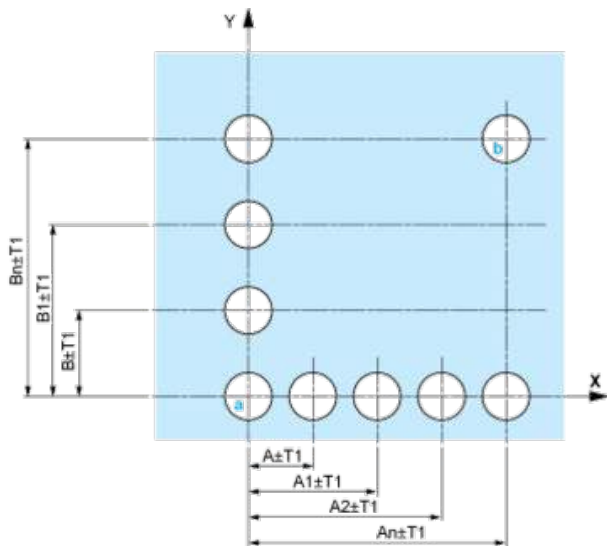| Connections | a in mm | a in in. | b in mm | b in in. |
|---|---|---|---|---|
| By screw clamp terminals or plug-in connector | 40 | 1.57 | 30 | 1.18 |
| By Faston connectors | 45 | 1.77 | 32 | 1.26 |
| On printed circuit board | 30 | 1.18 | 30 | 1.18 |

### 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) Ø22.5 mm recommended (Ø22.3 $_0$ $^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0$ $^{+0.016}$)

### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection
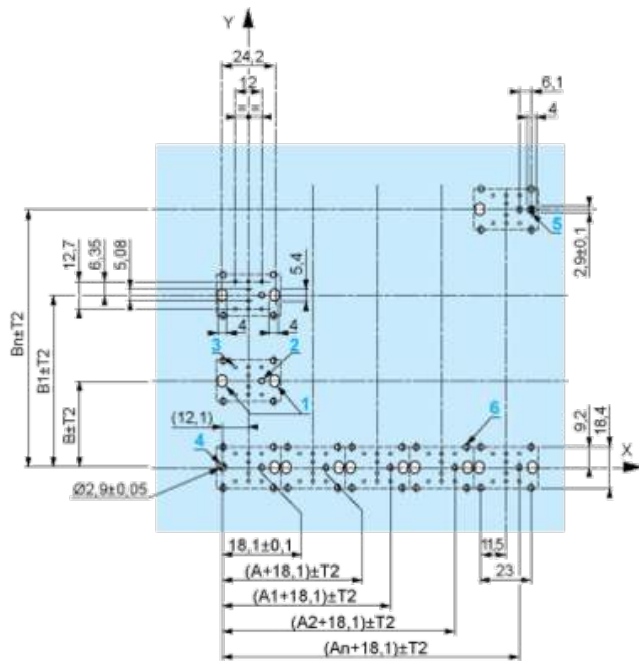
Life Is On  Schneider Electric

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


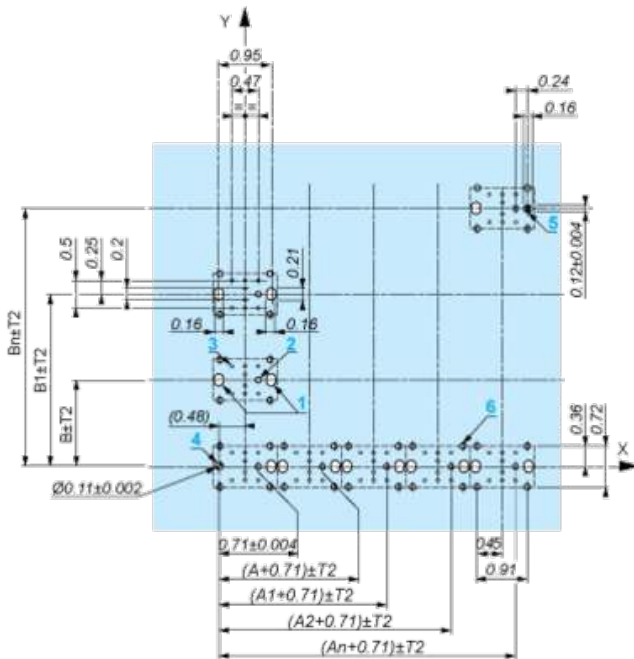
A: 30 mm min. / 1.18 in. min.

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.
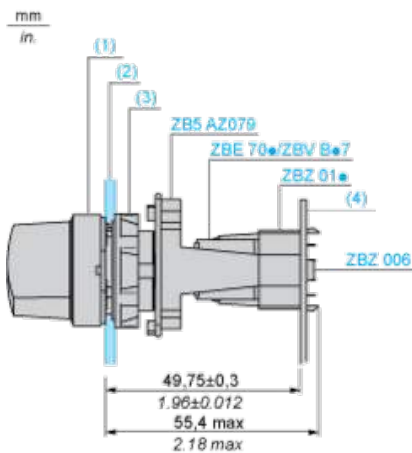
A: 1.18 in. min.

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 mm max.

## Installation Precautions

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB5AZ009: ± 2°30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB5AZ079 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 (ZB5AD•, ZB5AJ•, ZB5AG•).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



(1) Head ZB5AD•

(2) Panel

(2) Nut

(4) Printed circuit board

## Mounting of Adapter (Socket) ZBZ01•

- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 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

Electrical Composition Corresponding to Code C15

1 N/O

1 N/C

1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C

Legend

Single contact

Double contact

Light block

Possible location