ZB5AP3S

Push button head, Harmony XB5, plastic, flush, green, 22mm, spring return, coloured boot, unmarked





Main

| Range of Product | Harmony XB5 |
|---------------------------------|--------------------------------------|
| Product or Component Type | Head for non-illuminated push-button |
| Device short name | ZB5 |
| Product Compatibility | Legend holder |
| 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 | Coloured boot |

Complementary

| Device presentation | Basic element | |
|-----------------------------|---------------------------------------|--|
| | SR1 3 single rear mounting | |
| Lieutical composition code | SF1 3 single front mounting | |
| | C15 1 single front mounting | |
| | C11 3 single front mounting | |
| | C2 9 single and double front mounting | |
| Electrical composition code | C1 9 single front mounting | |
| | XALK 25 cut-outs | |
| Station name | XALD 15 cut-outs | |
| Mechanical durability | 10000000 cycles | |
| Net Weight | 0.05 lb(US) (0.021 kg) | |
| CAD overall depth | 1.30 in (33 mm) | |
| CAD overall height | 1.18 in (30 mm) | |
| CAD overall width | 1.18 in (30 mm) | |

Environment

| Protective treatment | TH | |
|---------------------------------------|---|--|
| Ambient Air Temperature for Storage | -40158 °F (-4070 °C) | |
| Ambient Air Temperature for Operation | -40158 °F (-4070 °C) | |
| Overvoltage category | Class II IEC 60536 | |
| IP degree of protection | IP66 IEC 60529 IP67 IEC 60529 IP69 IEC 60529 IP69K ISO 20653 | |
| NEMA degree of protection | NEMA 13 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 | |

| Standards | CSA C22.2 No 14 | |
|------------------------|---|--|
| 014.144.40 | EN/IEC 60947-5-4 | |
| | EN/IEC 60947-5-1 | |
| | JIS C8201-5-1 | |
| | UL 508 | |
| | EN/IEC 60947-1 | |
| | JIS C8201-1 | |
| Product Certifications | BV | |
| | DNV | |
| | CSA | |
| | LROS (Lloyds register of shipping) | |
| | UL Listed | |
| | GL | |
| 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 2500 Hz)IEC 60068-2-6 | |

Ordering and shipping details

| G. ac | | |
|-------------------|-------------------------------------|--|
| Category | 22467-PUSHBUTTONS,22MM(PLASTIC) NEW | |
| Discount Schedule | CS2 | |
| GTIN | 3389110999389 | |
| Returnability | No | |
| Country of origin | FR | |

Packing Units

| 1 doking office | |
|------------------------------|------------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.38 in (3.5 cm) |
| Package 1 Width | 1.85 in (4.7 cm) |
| Package 1 Length | 2.20 in (5.6 cm) |
| Package 1 Weight | 0.67 oz (19.0 g) |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 200 |
| Package 2 Height | 11.81 in (30 cm) |
| Package 2 Width | 11.81 in (30 cm) |
| Package 2 Length | 15.75 in (40 cm) |
| Package 2 Weight | 9.53 lb(US) (4.321 kg) |
| | |

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 defector or other reproductive harm. For more information go to www.P65Warnings.ca. | |
| REACh Regulation | ☑ REACh Declaration | |
| REACh free of SVHC | Yes | |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) | |
| Mercury free | Yes | |
| China RoHS Regulation | China RoHS Declaration | |
| RoHS exemption information | ₫Yes | |
| Environmental Disclosure | Product Environmental Profile | |
| Circularity Profile | ☑ End Of Life Information | |
| | | |

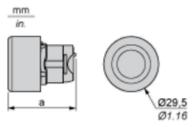
Contractual warranty

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

Product data sheet Dimensions Drawings

ZB5AP3S

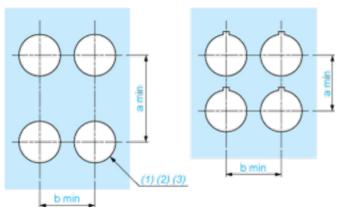
Dimensions



| | a in mm | a in in. |
|----------|---------|----------|
| ZB5AP•• | 36.5 | 1.44 |
| ZB5AP•S | 33 | 1.30 |
| ZB5AP•83 | 32 | 1.26 |
| ZB5AP• | 35 | 1.38 |

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

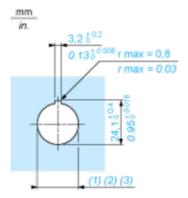
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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 |

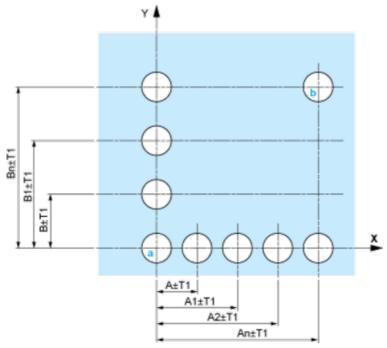
Detail of Lug Recess



- (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

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

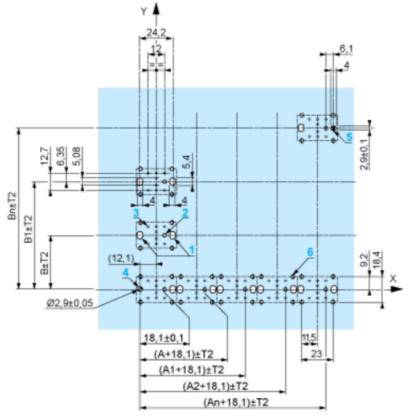


A: 30 mm min. / 1.18 in. min.

B: 40 mm min. / 1.57 in. min.

Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

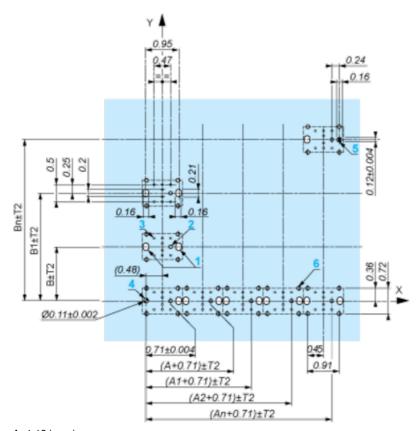
Dimensions in mm



A: 30 mm min.

B: 40 mm min.

Dimensions in in.



A: 1.18 in. min. B: 1.57 in. min.

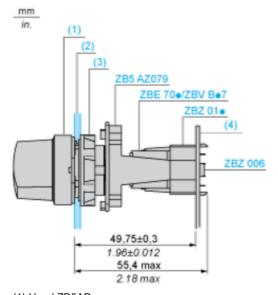
General Tolerances of the Panel and Printed Circuit Board

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:
 - o every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
 - o 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 \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ01•.

ZB5AP3S

| 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 | | |
| | | |