Product datasheet Characteristics

ZB5AA7340

green flush/red flush double-headed pushbutton Ø22 unmarked



Main

Wall		2
Range of product	Harmony XB5	- -
Product or component type	Head for double-headed push-button	Ť
Device short name	ZB5	
Bezel material	Plastic	,
Mounting diameter	22 mm	
Sale per indivisible quantity	1	i.
Shape of signaling unit head	Rectangular	
Type of operator	Spring return	
Operator profile	2 flush push-buttons	0
Operators description	Green unmarked - red unmarked	E

Complementary

30 mm	
50 mm	
30 mm	
0.023 kg	
White marking when green, red or black caps Black marking when white caps	
Green flush unmarked Red flush unmarked	
1000000 cycles	
XALD 1 cut-out	
ectrical composition code C3 for <= 6 contacts using single blocks in front mounting C4 for <= 6 contacts using single and double blocks in front mounting C14 for <= 2 contacts using single blocks in front mounting SF2 for <= 2 contacts using single blocks in front mounting SR2 for <= 2 contacts using single blocks in rear mounting	
	50 mm 30 mm 0.023 kg White marking when green, red or black caps Black marking when white caps Green flush unmarked Red flush unmarked 1000000 cycles XALD 1 cut-out C3 for <= 6 contacts using single blocks in front mounting C4 for <= 6 contacts using single and double blocks in front mounting C14 for <= 2 contacts using single blocks in front mounting SF2 for <= 2 contacts using single blocks in front mounting

Environment

Protective treatment	TH
Ambient air temperature for storage	-4070 °C
Ambient air temperature for operation	-2570 °C
Class of protection against electric shock	Class II conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529 IP69K conforming to IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X
Resistance to high pressure washer	7000000 Pa at 55 °C,distance: 0.1 m
IK degree of protection	IK03 conforming to IEC 50102
Standards	EN/IEC 60947-5-1 JIS C 4520 CSA C22.2 No 14 UL 508 EN/IEC 60947-1 EN/IEC 60947-5-4
Product certifications	CSA UL listed RINA DNV GL BV LROS (Lloyds register of shipping)
Vibration resistance	5 gn (f = 2500 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 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Contractual warranty

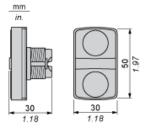
Warranty period	18 months

Product datasheet Dimensions Drawings

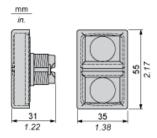
ZB5AA7340

Dimensions

Without Boot

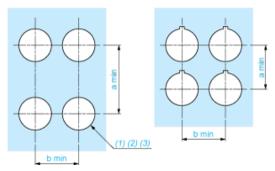


With Boot ZBA708



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

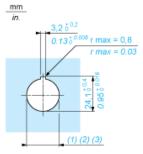
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- Diameter on finished panel or support (1)
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. \varnothing 22.5 mm recommended (\varnothing 22.3 $_0$ $^{+0.4}$) / \varnothing 0.89 in. recommended (\varnothing 0.88 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

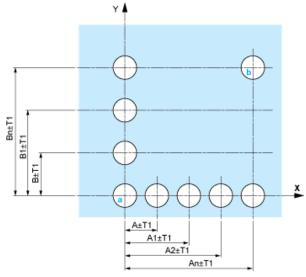
Detail of Lug Recess



- Diameter on finished panel or support
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. \emptyset 22.5 mm recommended (\emptyset 22.3 $_0$ ^{+0.4}) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0$ ^{+0.016})

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

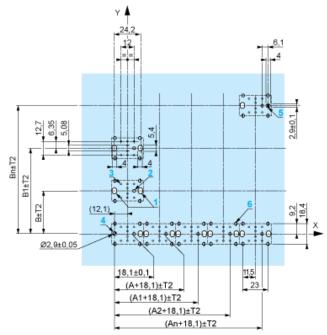
Panel Cut-outs (Viewed from Installer's Side)



- A: 30 mm min. / 1.18 in. min.
- B: 40 mm min. / 1.57 in. min.

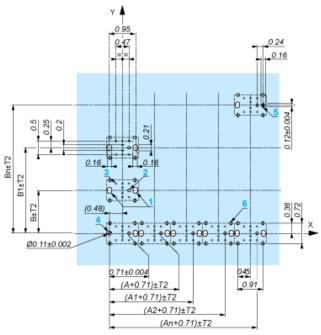
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



- A: 30 mm min.
- B: 40 mm min.

Dimensions in in.



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

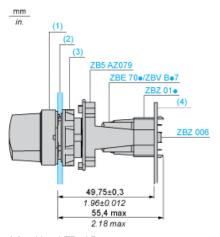
General Tolerances of the Panel and Printed Circuit Board

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

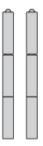
Mounting of Adapter (Socket) ZBZ01•

- 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 \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 \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ01•.

ZB5AA7340

Electrical Composition Corresponding to Code C3



ZB5AA7340

Electrical Composition Corresponding to Code C4



ZB5AA7340

Electrical Composition Corresponding to Codes C14, SF2 and SR2



ZB5AA7340

Single contact



Double contact



Light block



Possible location

