

Head for triple headed push button, Harmony XB5, 2 flush without cap, 1 red projecting, 22mm, marked STOP

ZB5AA791

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

Range of Product	Harmony XB5		
Product or Component Type	Head for triple-headed push-button		
Device short name	XB5		
Bezel material	Dark grey plastic		
Mounting diameter	0.9 in (22 mm)		
Head type	Standard		
Shape of signaling unit head	Rectangular		
Type of operator	spring return		
Operator profile	2 flush - 1 central projecting STOP push-buttons		
Operators description	Black pushes without cap		

Complementary

CAD overall width	1.2 in (30 mm)		
CAD overall height	2.0 in (50 mm)		
CAD overall depth	1.4 in (35 mm)		
Net Weight	0.051 lb(US) (0.023 kg)		
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m		
Colour of marking	Black marking when white caps White marking when green, red or black caps		
Operator profile	without cap Red projecting		
Mechanical durability	1000000 cycles		
Station name	XALD 1 cut-out		
Electrical composition code	C1 9 single front mounting C2 9 single and double front mounting C11 3 single front mounting SF1 3 single front mounting SR1 3 single rear mounting		
Device presentation	Basic element		

Environment

Ambient Air Temperature for Storage	-40158 °F (-4070 °C)
Ambient Air Temperature for	-13158 °F (-2570 °C)

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Electrical shock protection class	Class II conforming to IEC 61140
IP degree of protection	IP67 IEC 60529 IP69 IEC 60529 IP69K
NEMA degree of protection	NEMA 13 NEMA 4X
IK degree of protection	IK05 conforming to IEC 50102
Standards	CSA C22.2 No 14 IEC 60947-5-4 IEC 60947-1 JIS C8201-5-1 UL 508 IEC 60947-5-1 JIS C8201-1
Product Certifications	BV CSA DNV LROS (Lloyds register of shipping) UL Listed
Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6
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

Ordering and shipping details

Category	US10CS222467
Discount Schedule	0CS2
GTIN	3389119043502
Returnability	No
Country of origin	FR

Packing Units

PCE
1
1.30 in (3.3 cm)
2.09 in (5.3 cm)
2.17 in (5.5 cm)
0.9 oz (25.0 g)
BB1
5
1.30 in (3.3 cm)
2.17 in (5.5 cm)
10.43 in (26.5 cm)
4.4 oz (126.0 g)
S02
50
5.91 in (15.0 cm)
11.81 in (30.0 cm)
15.75 in (40.0 cm)

Package 3 Weight

3.523 lb(US) (1.598 kg)

Contractual warranty

Warranty

18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

Use Better

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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

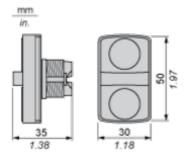
Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

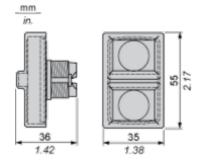
Dimensions Drawings

Dimensions

Without Boot



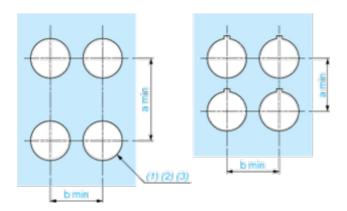
With Boot ZBA709



Mounting and Clearance

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

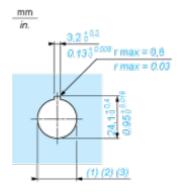
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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

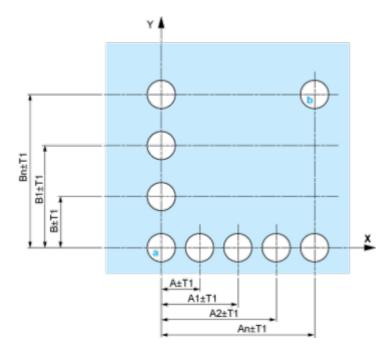
Detail of Lug Recess



- (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

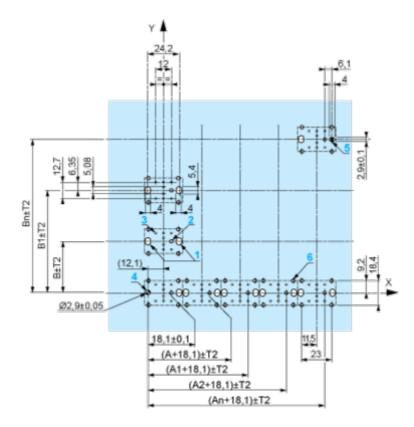
Panel Cut-outs (Viewed from Installer's Side)



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

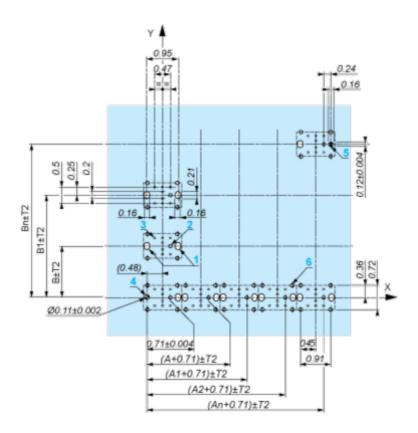
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



A: 30 mm min. B: 40 mm min. Dimensions in in.

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

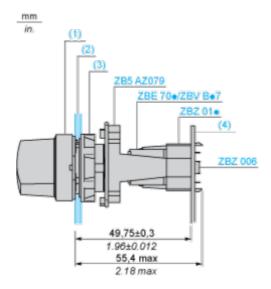
General Tolerances of the Panel and Printed Circuit Board

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:
 - $_{\circ}$ 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 ${\bf a}$ and ${\bf b}$ are diagonally opposed and must align with those marked ${\bf 4}$ and ${\bf 5}$.



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- (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
- $_{ullet}$ 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•.

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Technical Description

Electrical Composition Corresponding to Code C1



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Electrical Composition Corresponding to Code C2



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Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Legend

Single contact



Double contact



Light block



Possible location



Technical Illustration

Dimensions

