Specification





Head for illuminated push button, Harmony XB5, XB4, green projecting pushbutton 22mm spring return BA9s bulb

ZB5AW13

Product availability: Stock - Normally stocked in distribution facility

Price*: 13.00 USD

Main

Range of Product	Harmony XB5
Product or Component Type	Head for illuminated push-button
Device short name	ZB5
Product Compatibility	BA 9s
Bezel material	Dark grey plastic
Mounting diameter	0.9 in (22 mm)
Sale per indivisible quantity	1
Head type	Standard
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Green projecting, unmarked
Operator additional information	With plain lens

Complementary

•				
CAD overall width	1.1 in (29 mm)			
CAD overall height	1.1 in (29 mm)			
CAD overall depth	1.3 in (32 mm)			
Net Weight	0.037 lb(US) (0.017 kg)			
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131.00000000000 °F (55 °C) 0.1 m			
Mechanical durability	10000000 cycles			
Main group	Illum push-button			
Group of product	Projected push BA9s			
Station name	XALD 15 cut-outs XALK 25 cut-outs			
Cap/operator or lens colour	Green			
Marking	Unmarked			
Electrical composition code	M7 6 single front mounting BA 9s M8 6 single and double front mounting BA 9s M9 2 single front mounting BA 9s and transformer			

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

MF2 2 single front mounting BA 9s

device presentation Basic sub-assemblies

Environment

protective treatment	тс				
Ambient Air Temperature for Storage	-40.0000000000158.0000000000 °F (-4070 °C)				
Ambient Air Temperature for Operation	-40.0000000000131.0000000000 °F (-4055 °C)				
Overvoltage category	Class II IEC 60536				
IP degree of protection	IP66 IEC 60529 IP69 IP69K				
NEMA degree of protection	NEMA 13 NEMA 4X				
IK degree of protection	IK05 conforming to IEC 62262				
Standards	UL 508 IEC 60947-1 IEC 60947-5-4 CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-5-1 GB 14048.5 JIS C8201-1				
Product Certifications	CSA DNV GL BV LROS (Lloyds register of shipping) UL Listed				
Vibration resistance	5 gn 2500 Hz)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	3389110909838
Returnability	Yes
Country of origin	US

Packing Units

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.6 in (4.0 cm)
Package 1 Width	2.5 in (6.4 cm)
Package 1 Length	1.4 in (3.6 cm)
Package 1 Weight	0.6 oz (16.0 g)
Unit Type of Package 2	S01
Number of Units in Package 2	50
Package 2 Height	5.9 in (15.0 cm)
Package 2 Width	5.9 in (15.0 cm)

Package 2 Length	15.7 in (40.0 cm)
Package 2 Weight	2.266 lb(US) (1.028 kg)

Contractual warranty

Warranty 18 months

Sustainability Green Premium

Green PremiumTM **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

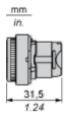
Certifications & Standards

Reach Regulation	REACh Declaration				
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)				
China Rohs Regulation	China RoHS declaration				
Environmental Disclosure	Product Environmental Profile				
Circularity Profile	End of Life Information				
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 cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov				

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Dimensions Drawings

Dimensions



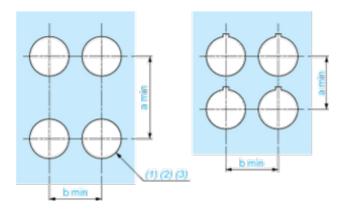


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Mounting and Clearance

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. $_0^{+0.016}$)

<u> </u>			0	
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

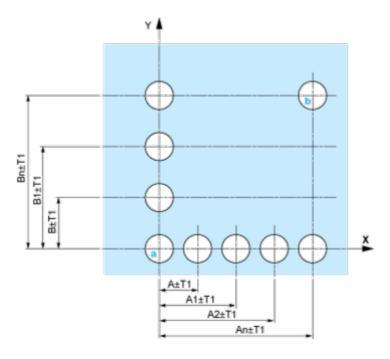
Detail of Lug Recess



- (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

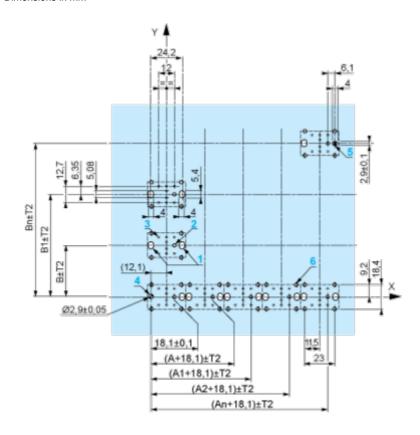
Panel Cut-outs (Viewed from Installer's Side)



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

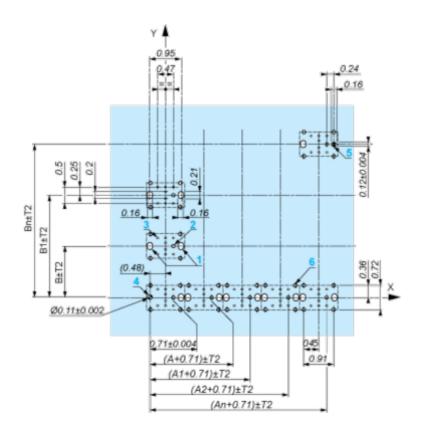
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

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.

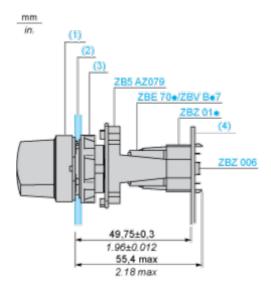
General Tolerances of the Panel and Printed Circuit Board

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•

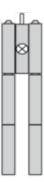
- 1 2 elongated holes for ZBZ006 screw access
- $_{\bullet}$ 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ01 $\!\!^{\bullet}$
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated 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•.

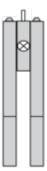
ZB5AW13

Technical Description

Electrical Composition Corresponding to Codes M1 and M7



Electrical Composition Corresponding to Codes M2 and M8



Electrical Composition Corresponding to Code M9



Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend

Single contact



Double contact



Light block



Possible location

