Specifications





Head for non illuminated push button, Harmony XB5, yellow 30mm mushroom pushbutton 22mm spring return

ZB5AC54

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

Price*: 29.40 USD

Main

Range of Product	Harmony XB5	
Product or Component Type	Head for non-illuminated push-button	
Device short name	ZB5	
ezel material Dark grey plastic		
Head type	Standard	
Mounting diameter	0.9 in (22 mm)	
Sale per indivisible quantity 1		
Shape of signaling unit head Round		
Type of operator	spring return	
Operator profile	Yellow mushroom Ø 30 mm, unmarked	
device presentation	Basic element	

Complementary

CAD overall width	1.2 in (30 mm)
CAD overall height	1.2 in (30 mm)
CAD overall depth	2.05 in (52 mm)
Net Weight	0.060 lb(US) (0.027 kg)
Mechanical durability	5000000 cycles
Station name	XALD 15 cut-outs XALK 25 cut-outs
Electrical composition code	C1 9 single front mounting C2 9 single and double front mounting C11 3 single front mounting C15 1 single front mounting SF1 3 single front mounting SR1 3 single rear mounting
Compatibility code	ZB5

Environment

protective treatment	тн
Ambient Air Temperature for Storage	-40.0000000000158.0000000000 °F (-4070 °C)
Ambient Air Temperature for Operation	-40.0000000000158.0000000000 °F (-4070 °C)

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

Overvoltage category	Class II IEC 60536	
IP degree of protection	IP66 IEC 60529 IP69 IP69K	
NEMA degree of protection	NEMA 13 NEMA 4X	
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131.00000000000 °F (55 °C) 0.1 m	
IK degree of protection IK03 conforming to IEC 50102		
Standards	UL 508 CSA C22.2 No 14 IEC 60947-5-1 IEC 60947-5-4 JIS C8201-5-1 IEC 60947-1 JIS C8201-1	
Product Certifications	GL BV UL Listed LROS (Lloyds register of shipping) CSA DNV	
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	3389110904932	
Returnability	No	
Country of origin	CZ	

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.772 in (4.500 cm)
Package 1 Width	2.165 in (5.500 cm)
Package 1 Length	3.543 in (9.000 cm)
Package 1 Weight	1.587 oz (45.000 g)
Unit Type of Package 2	S01
Number of Units in Package 2	21
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	5.906 in (15.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	2.425 lb(US) (1.100 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	672
Package 3 Height	29.528 in (75.000 cm)

Package 3 Width	31.496 in (80.000 cm)		
Package 3 Length	23.622 in (60.000 cm)		
Package 3 Weight	95.240 lb(US) (43.200 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

⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

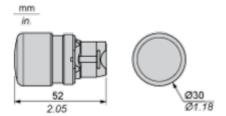
Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
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: 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

ZB5AC54

Dimensions Drawings

Dimensions

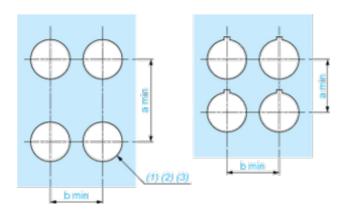


ZB5AC54

Mounting and Clearance

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

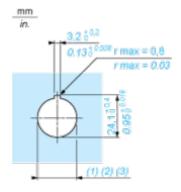
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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. $_0^{+0.016}$)

				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

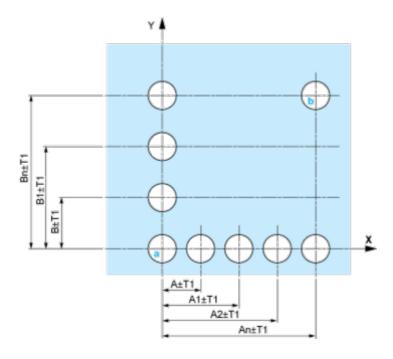
Detail of Lug Recess



- (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

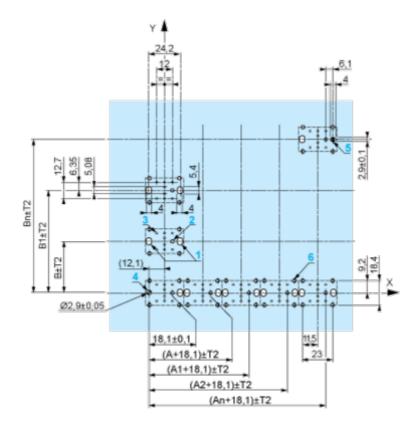
Panel Cut-outs (Viewed from Installer's Side)



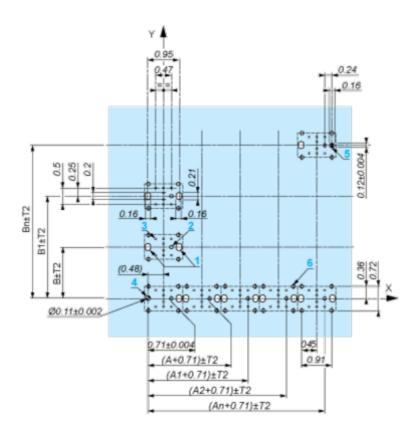
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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

Dimensions in mm



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



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

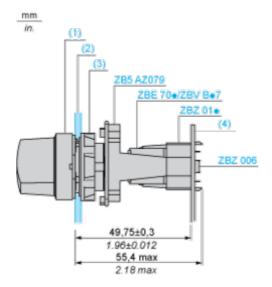
General Tolerances of the Panel and Printed Circuit Board

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 ${\bf 5}$.



ZB5AC54

- (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•.

ZB5AC54

Technical Description

Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2



ZB5AC54

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

