ZB5AS52

Mushroom push button head Ø40, plastic, black, Ø22, latching turn realease





Main

Range of product	Harmony XB5
Product or component type	Head for non-illuminated push-button
type	
Device short name	ZB5
Bezel material	Dark grey plastic
Head type	Standard
Mounting diameter	0.87 in (22 mm)
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	latching
Reset	Turn to release
Operator profile	Black mushroom Ø 40 mm, unmarked
Device presentation	Basic element

Complementary

CAD overall width	1.57 in (40 mm)
CAD overall height	1.57 in (40 mm)
CAD overall depth	2.24 in (57 mm)
Net Weight	0.10 lb(US) (0.044 kg)
Mechanical durability	500000 cycles
Station name	XALD 1 cut-out XALK 1 cut-out
Electrical composition code	C11 3 single front mounting C15 for <1 contacts using single blocks in front mounting SF1 3 single front mounting SR1 3 single rear mounting C7 4 single front mounting C8 4 single and double front mounting C10 for <4 contacts using single and double blocks in front mounting

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 IP69 IP69K
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	EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-5-4 EN/IEC 60947-1 JIS C8201-5-1 UL 508 JIS C8201-1

Product certifications	GL	GL		
	DNV			
	LROS (Lloyds register of shipping)	LROS (Lloyds register of shipping)		
	UL Listed			
	CSA			
	RINA			
	BV			
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	22467 - PUSHBUTTONS,22MM(PLASTIC) NEW	
Discount Schedule	CS2	
GTIN	00785901387596	
Nbr. of units in pkg.	1	
Package weight(Lbs)	0.1 lb(US) (0.05 kg)	
Returnability	No	
Country of origin	CZ	

Packing Units

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Unit Type of Package 1	PCE	
Package 1 Height	1.77 in (4.5 cm)	
Package 1 width	2.09 in (5.3 cm)	
Package 1 Length	3.46 in (8.8 cm)	
Unit Type of Package 2	S03	
Number of Units in Package 2	100	
Package 2 Weight	10.24 lb(US) (4.643 kg)	
Package 2 Height	11.81 in (30 cm)	
Package 2 width	11.81 in (30 cm)	
Package 2 Length	15.75 in (40 cm)	

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

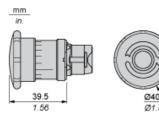
Contractual warranty

Warranty	18 months
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Product data sheet Dimensions Drawings

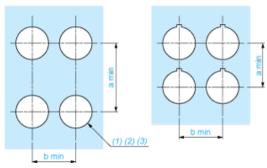
ZB5AS52

Dimensions



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

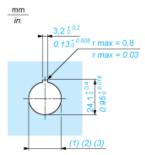
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- Diameter on finished panel or support
- 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. $_0$ $^{+0.016}$)

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

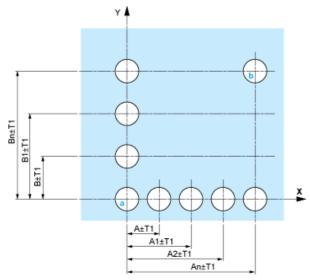
Detail of Lug Recess



- (1) Diameter on finished panel or support
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- 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

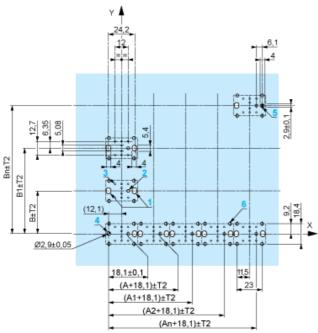
Panel Cut-outs (Viewed from Installer's Side)



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

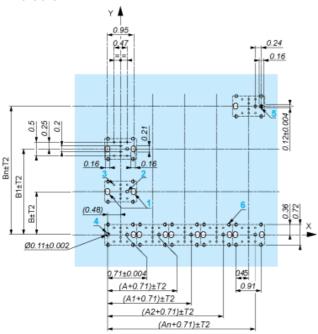
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



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

Dimensions in in.



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

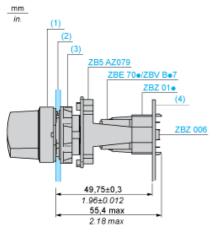
General Tolerances of the Panel and Printed Circuit Board

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).
 - 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 \pm 0.05 / 0.09 in. \pm 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•.

ZB5AS52

Electrical Composition Corresponding to Code C7
Electrical Compositions Corresponding to Code C8
Electrical Compositions Corresponding to Code C10
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

Cina	٦	contact
Sina	ıe	contact



Double contact



Light block



Possible location

