

Product data sheet Characteristics

ZB5AL433

Head for non illuminated push button, Harmony XB5, red projecting pushbutton Ø22 mm spring return "ARRET"



	Main					
1 States	Range of product	Harmony XB5				
	Product or component type	Head for non-illuminated push-button				
	Device short name	ZB5				
	Bezel material	Dark grey plastic				
PRET	Mounting diameter	22 mm				
ARIT	Head type	Standard				
ARRET	Sale per indivisible quantity	1				
	Shape of signaling unit head	Round				
	Type of operator	Spring return				
	Operator profile	Red projecting, ARRET (white)				
Complementary						
CAD overall width	29 mm					
CAD overall height	29 mm) mm				
CAD overall depth	33 mm					
let weight	0.019 kg					
lechanical durability	1000000 cycles					
Station name	XALD 15 cut-outs					
	XALK 25 cut-outs					
Electrical composition code	C1 for <9 contacts using single blocks in front mounting C2 for <9 contacts using single and double blocks in front mounting C11 for <3 contacts using single blocks in front mounting C15 for <1 contacts using single blocks in front mounting SF1 for <3 contacts using single blocks in front mounting SR1 for <3 contacts using single blocks in rear mounting					
Device presentation	Basic element					
nvironment						
Protective treatment	TH					
mbient air temperature for storage	-4070 °C					
mbient air temperature for operation	-4070 °C					
Dvervoltage category	Class II conforming to IEC	C 60536				
P degree of protection	IP66 conforming to IEC 60529 IP67 IP69					
IEMA degree of protection	IP69K NEMA 13 NEMA 4X					
Resistance to high pressure washer	7000000 Pa at 55 °C, dis	7000000 Pa at 55 °C, distance : 0.1 m				
K degree of protection	IK03 conforming to IEC 5	IK03 conforming to IEC 50102				
Product certifications	CSA[RETURN]BV[RETURN]UL listed[RETURN]GL[RETURN]LROS (Lloyds register of shipping)[RETURN]DNV					

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentations not intended as a substitute for and is not to be used for determining substity of these products for specific user applications. It is the dury of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or substitiaries shall be responsible or liable for misues of the information contained herein.

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
Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6

Offer Sustainability

Sustainable offer status	Green Premium product			
REACh Regulation				
REACh free of SVHC	Yes			
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)			
Mercury free	Yes			
China RoHS Regulation	China RoHS Declaration			
RoHS exemption information	₽ Yes			
Environmental Disclosure	Product Environmental Profile			
Circularity Profile	Provide the Information			

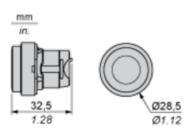
Contractual warranty

Warranty

18 months

Product data sheet Dimensions Drawings

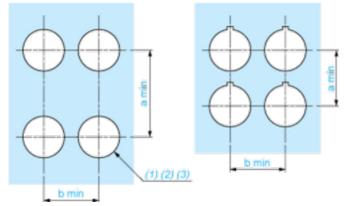
Dimensions



ZB5AL433

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



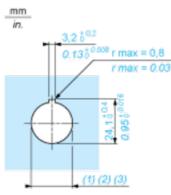
(1) Diameter on finished panel or support

(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

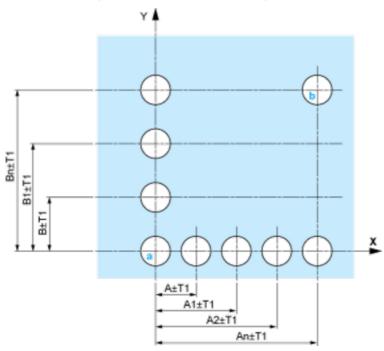
(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.

(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

Life Is On Schneider

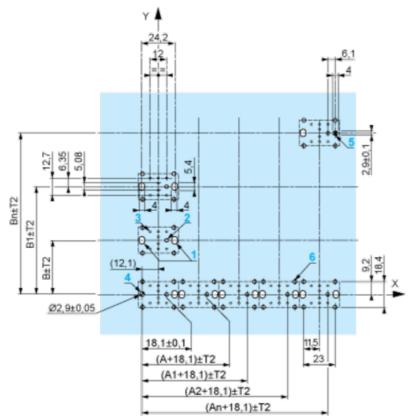
Panel Cut-outs (Viewed from Installer's Side)



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

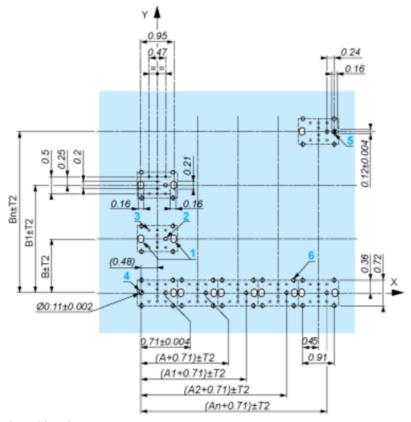
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



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

Dimensions in in.



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

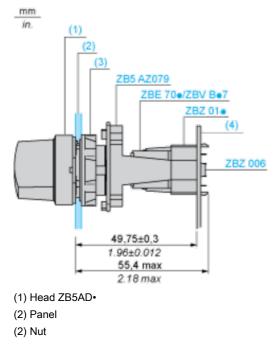
General Tolerances of the Panel and Printed Circuit Board

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:
 - 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.

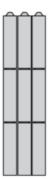


Mounting of Adapter (Socket) ZBZ01•

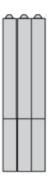
- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 for centring adapter ZBZ01•
- 38 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning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

Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2



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

Electrical Composition Corresponding to Code C15

1 N/O

1 N/C

Legend

Single contact

Double contact

Light block

Possible location