

Head for key selector switch, Harmony XB5, black key, 22mm, 2 positions, key withdrawal in any position, key 3131A

ZB5AG420

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony XB5			
Product or Component Type	Head for key selector switch			
Device short name	ZB5			
Bezel material	Dark grey plastic			
Mounting diameter	0.9 in (22 mm)			
Head type	Standard			
Sale per indivisible quantity	1			
Shape of signaling unit head	Round			
Type of operator	stay put			
Operator profile	Black key switch			
Operator position information	2 positions 90°			
Type of Keylock	Key 3131A			
Key withdrawal position	In any position			

Complementary

Device presentation	Basic element				
	C15 1 single front mounting				
	SR1 3 single rear mounting				
	SF1 3 single front mounting				
	C3 6 single front mounting				
	C11 3 single front mounting				
	C8 4 single and double front mounting				
	C7 4 single front mounting				
	C5 5 single front mounting C6 5 single and double front mounting				
Electrical composition code	C4 6 single and double front mounting				
	XALK 25 cut-outs				
Station name	XALD 15 cut-outs				
Mechanical durability	1000000 cycles				
Net Weight	0.126 lb(US) (0.057 kg)				
CAD overall depth	2.8 in (72 mm)				
CAD overall height	1.1 in (29 mm)				
CAD overall width	1.1 in (29 mm)				

Environment

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

Protective treatment	тн				
Ambient Air Temperature for Storage	-40158 °F (-4070 °C)				
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)				
Overvoltage category	Class II conforming to 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	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m				
IK degree of protection	IK06 conforming to IEC 50102				
Standards	IEC 60947-5-1 UL 508 CSA C22.2 No 14 IEC 60947-5-4 IEC 60947-1 JIS C8201-5-1 JIS C8201-1				
Product Certifications	DNV CSA BV 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	3389110135367				
Returnability	Yes				
Country of origin	FR				

Packing Units

Unit Type of Package 1	PCE		
Nbr. of units in pkg.	1		
Package 1 Height	3.43 in (8.700 cm)		
Package 1 Width	1.30 in (3.300 cm)		
Package 1 Length	2.05 in (5.200 cm)		
Package weight(Lbs)	2.363 oz (67.000 g)		
Unit Type of Package 2	S02		
Number of Units in Package 2	50		
Package 2 Height	5.91 in (15.000 cm)		
Package 2 Width	11.81 in (30.000 cm)		
Package 2 Length	15.75 in (40.000 cm)		
Package 2 Weight	8.078 lb(US) (3.664 kg)		

Contractual warranty

Warranty

Jul 22, 2025

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

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
SCIP Number	F28cb399-1b6a-409d-ac7b-4169e47b25c8
REACh Regulation	REACh Declaration
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

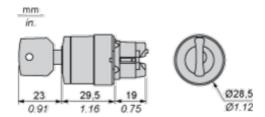
Use Again

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

ZB5AG420

Dimensions Drawings

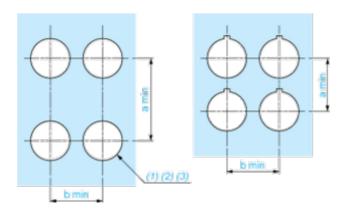
Dimensions



Mounting and Clearance

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

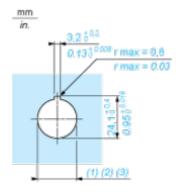
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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

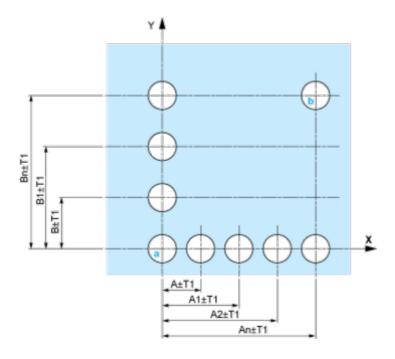
Detail of Lug Recess



- (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) \emptyset 22.5 mm recommended (\emptyset 22.3 $_0^{+0.4}$) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0^{+0.016}$)

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

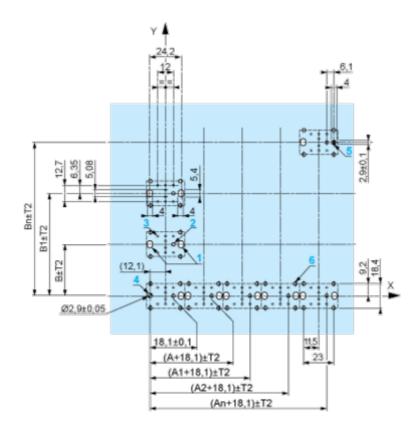
Panel Cut-outs (Viewed from Installer's Side)



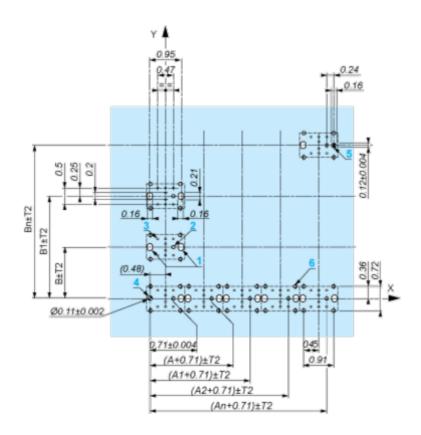
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

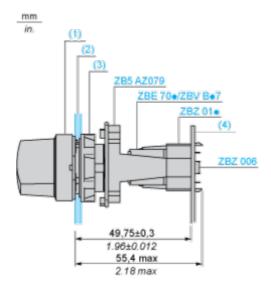
General Tolerances of the Panel and Printed Circuit Board

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 ${\bf 5}$.



ZB5AG420

- (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•

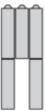
Dimensions An + 18.1 relate to the Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ01•.

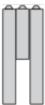
ZB5AG420

Technical Description



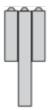
ZB5AG420





ZB5AG420





Electrical Composition Corresponding to Code C3



15

ZB5AG420

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



Legend

Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



Push	Position	Тор				
		Bottom	\triangle		\triangle	
	Location		Left	Centre	Right	
	State		0	0	0	
Contacts	N/O		open open o		open	
	N/C		closed	closed	closed	

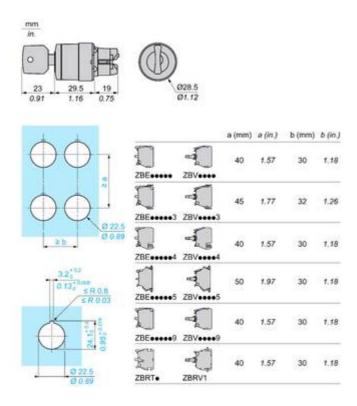
Position 45°



Push		Тор			
	Position	Bottom			
	Location		Left	Centre	Right
	State		1	1	1
Contacts	N/O		closed	closed	closed
	N/C		open	open	open

Technical Illustration

Dimensions



19