

Harmony, 22mm Push Button, flush push button head, spring return, green, unmarked

ZB4BA3

Product availability: Stock - Normally stocked in distribution facility

Main

Range of Product	Harmony XB4			
Product or Component Type	Head for non-illuminated push-button			
Device short name	ZB4			
Bezel material	Chromium plated metal			
Mounting diameter	0.9 in (22.5 mm)			
Sale per indivisible quantity	1			
Head type	Standard			
Shape of signaling unit head	Round			
Type of operator	spring return			
Operator profile	Green flush, unmarked			
Cap/operator or lens colour	Green			

Complementary

CAD overall width	1.1 in (29 mm)		
CAD overall height	1.1 in (29 mm)		
CAD overall depth	1.1 in (28 mm)		
Mechanical durability	10000000 cycles		
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		
Device presentation	Basic element		

Environment

Protective treatment	тн			
Ambient Air Temperature for Storage	-40158 °F (-4070 °C)			
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)			
Overvoltage category	Class I conforming to IEC 60536			
IP degree of protection	IP66 IEC 60529 IP67 IP69 IP69K			
NEMA degree of protection	NEMA 13 NEMA 4X			
IK degree of protection	IK06 conforming to IEC 50102			

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

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Standards	JIS C8201-5-1				
	UL 508				
	IEC 60947-5-5				
	CSA C22.2 No 14				
	IEC 60947-5-1				
	IEC 60947-1				
	IEC 60947-5-4				
	JIS C8201-1				
Product Certifications	BV				
	CSA				
	DNV				
	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

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Category	US10CS222468
Discount Schedule	0CS2
GTIN	3389110895742
Returnability	Yes
Country of origin	FR

Packing Units

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Unit Type of Package 1	PCE		
Number of Units in Package 1	1		
Package 1 Height	1.89 in (4.800 cm)		
Package 1 Width	1.34 in (3.400 cm)		
Package 1 Length	2.13 in (5.400 cm)		
Package 1 Weight	0.988 oz (28.000 g)		
Unit Type of Package 2	S03		
Number of Units in Package 2	300		
Package 2 Height	11.81 in (30.000 cm)		
Package 2 Width	11.81 in (30.000 cm)		
Package 2 Length	15.75 in (40.000 cm)		
Package 2 Weight	19.707 lb(US) (8.939 kg)		
Unit Type of Package 3	P06		
Number of Units in Package 3	2400		
Package 3 Height	29.53 in (75.000 cm)		
Package 3 Width	23.62 in (60.000 cm)		
Package 3 Length	31.50 in (80.000 cm)		
Package 3 Weight	179.465 lb(US) (81.404 kg)		

Contractual warranty

Warranty 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	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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

Use Again

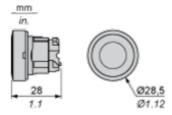
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

Product data sheet

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Dimensions Drawings

Dimensions



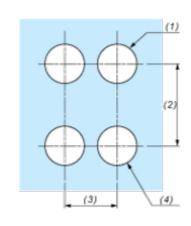
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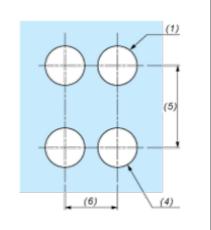
Mounting and Clearance

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

Connection by Faston Connectors

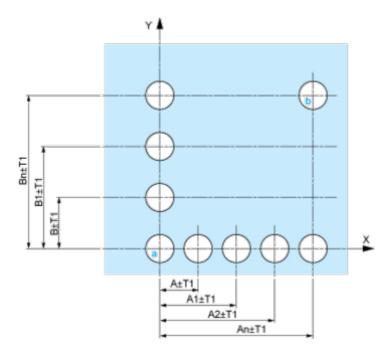




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

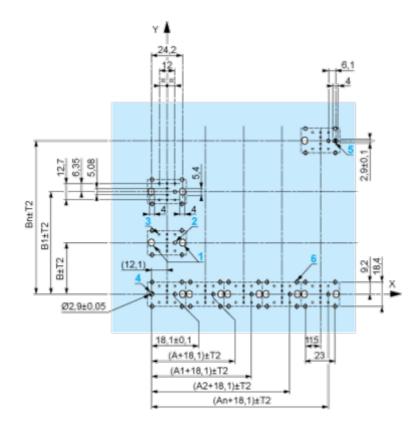
Panel Cut-outs (Viewed from Installer's Side)



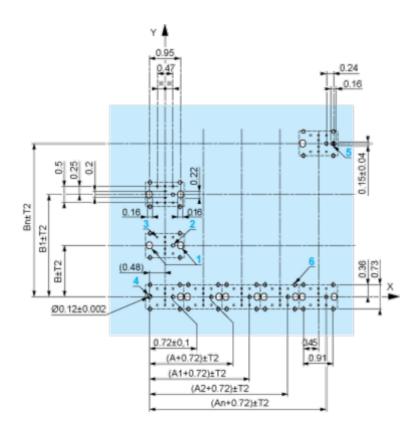
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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

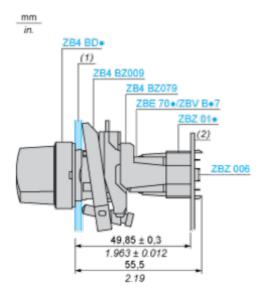
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

Installation Precautions

- $_{\bullet}$ 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 ZB4 BZ009: ± 2 30' (excluding cut-outs marked **a** and **b**).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 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 (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

The fixing centers marked **a** and **b** are diagonally opposed and must align with those marked **4** and **5**.

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- (1) Panel
- (2) Printed circuit board

Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- $_{ullet}$ 4 1 hole Ø 2.9 mm \pm 0.05 / 0.11 in. \pm 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 ZBZ 01∙

Dimensions An + 18.1 relate to the Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ 01•.

Product data sheet

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Technical Description

Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2



Product data sheet

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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



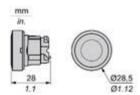
Possible location

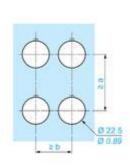


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Technical Illustration

Dimensions





. Proceedings		a (mm)	a (in.)	b (mm)	b (in.)
ZBE•••••	ZBV••••	40	1.57	30	1.18
ZBE3	ZBV••••3	45	1.77	32	1.26
ZBE•••••4	ZBV••••4	40	1.57	30	1.18
ZBE5	ZBV••••5	50	1.97	30	1.18
ZBE••••9	ZBV••••9	40	1.57	30	1.18
ZBRT•	ZBRV1	40	1.57	30	1.18

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB4



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative







