Specifications



() Discontinued

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Main	
Range of Product	Harmony XB4
Product or Component Type	Head for selector switch
Device short name	ZB4
Bezel material	Chromium plated metal
Mounting diameter	0.9 in (22 mm)
Head type	Standard
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Right to centre spring return
Operator profile	Blue standard handle
Operator position information	3 positions +/- 45°

blue selector switch head Ø22 3-

position spring return

() Discontinued on: Jul 1, 2020

ZB4BD806

Complementary

CAD overall width	1.1 in (29 mm)				
CAD overall height	1.1 in (29 mm)				
CAD overall depth	1.7 in (44 mm)				
Net Weight	0.09 lb(US) (0.04 kg)				
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m				
Mechanical durability	1000000 cycles				
Electrical composition code	C3 6 single front mounting C4 6 single and double front mounting C5 5 single front mounting C6 5 single and double front mounting C7 4 single front mounting C8 4 single and double front mounting C11 3 single front mounting				
Device presentation	Desis slament				

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 IEC 60536

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

IP degree of protection	IP67 IEC 60529			
	IP69			
	IP69K			
NEMA degree of protection	NEMA 13			
	NEMA 4X			
IK degree of protection	IK06 conforming to IEC 50102			
Standards	JIS C8201-5-1			
	EN/IEC 60947-5-5			
	UL 508			
	EN/IEC 60947-5-1			
	EN/IEC 60947-5-4			
	CSA C22.2 No 14			
	EN/IEC 60947-1			
	JIS C8201-1			
Product Certifications	CSA			
	GL			
	LROS (Lloyds register of shipping)			
	UL Listed			
	BV			
	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	22468-PUSHBUTTONS,22MM(METAL) NEW				
Discount Schedule	CS2				
GTIN	3389110801804				
Returnability	No				
Country of origin	FR				

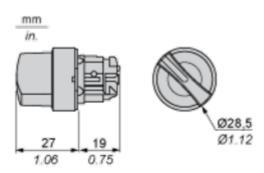
Contractual warranty

Warranty

18 months

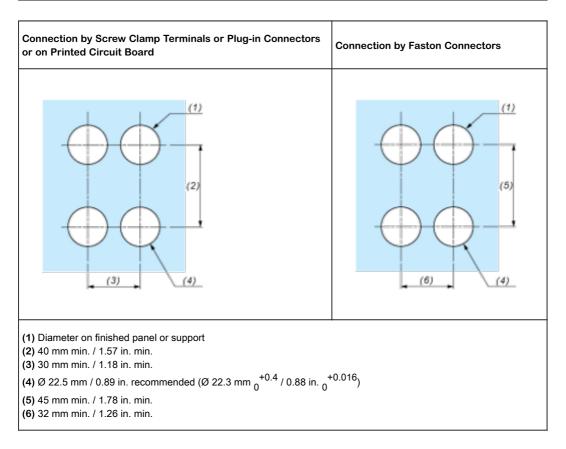
Dimensions Drawings

Dimensions



Mounting and Clearance

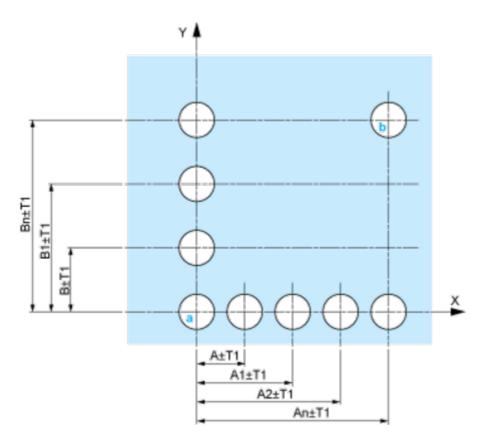
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)



ZB4BD806

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

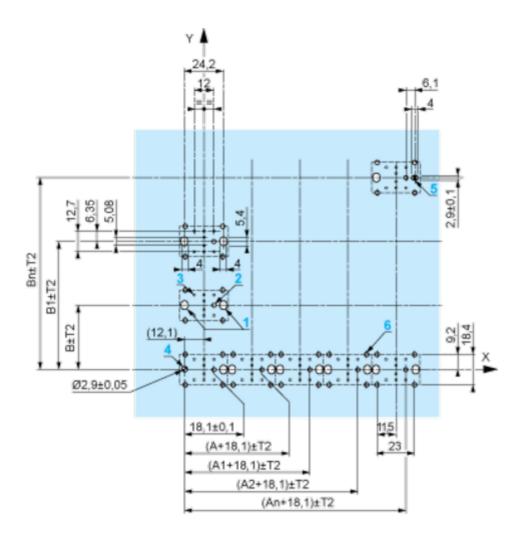
Panel Cut-outs (Viewed from Installer's Side)



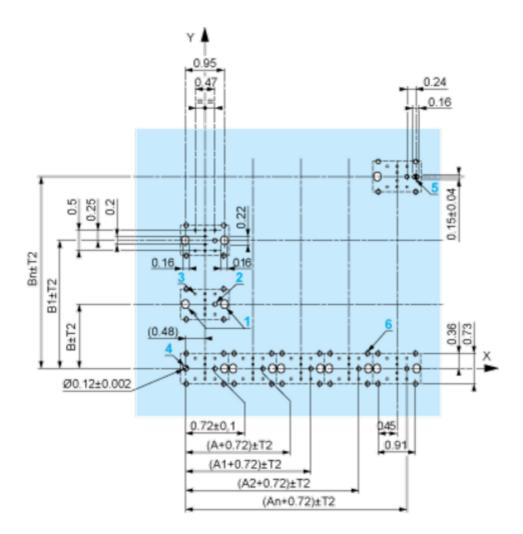
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

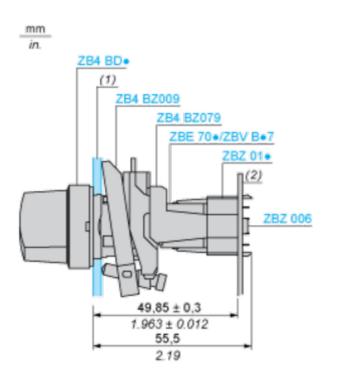
General Tolerances of the Panel and Printed Circuit Board

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 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.



(1) Panel

(2) Printed circuit board

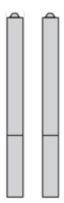
Mounting of Adapter (Socket) ZBZ 01•

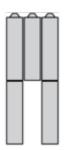
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter 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•.

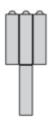
Technical Description

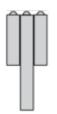












Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Legend

Single contact



Double contact



Light block



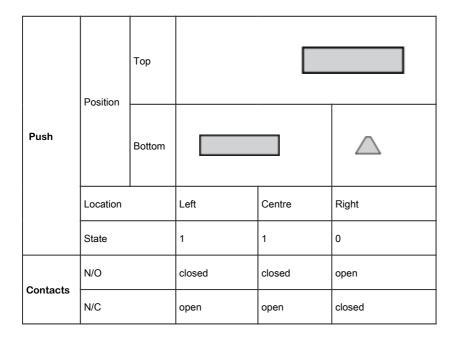
Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

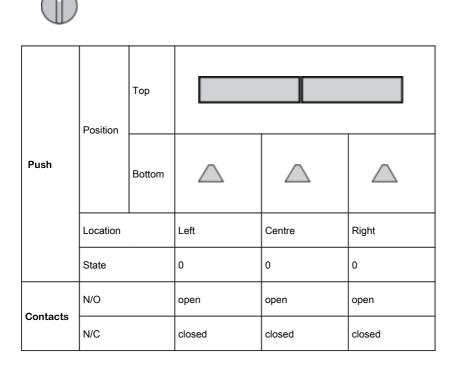
Position 315°





Position 0°

0°



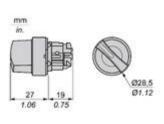
Position 45°

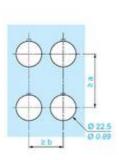


Push	Position	Тор			
		Bottom	\bigtriangleup		
	Location		Left	Centre	Right
	State		0	1	1
Contooto	N/O		open	closed	closed
Contacts	N/C		closed	open	open

Technical Illustration

Dimensions





	a (mm)	a (in.)	b (mm)	b (in.)
ZBE ZBV	40	1.57	30	1,18
ZBE3 ZBV3	45	1.77	32	1.26
ZBE4 ZBV		1.57	30	1.18
ZBE 5 ZBV	50	1.97	30	1,18
ZBE9 ZBV6	40	1.57	30	1.18
ZBRT• ZBRV1	40	1.57	30	1.18