Specifications





Head for selector switch, Harmony XB4, black Ø22 mm 3 position spring return

ZB4BD897

Discontinued on: Jul 12, 2021

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Main

Range Of Product	Harmony XB4		
Product Or Component Type	Head for selector switch		
Device Short Name	ZB4		
Bezel Material	Black metal		
Mounting Diameter	0.87 in (22 mm)		
Sale Per Indivisible Quantity	1		
Head Type	Standard		
Shape Of Signaling Unit Head	Round		
Type Of Operator	Right to centre spring return		
Operator Profile	Black knurled knob		
Operator Position Information	3 positions +/- 45°		

Complementary

Cad Overall Width	1.14 in (29 mm)				
Cad Overall Height	1.14 in (29 mm)				
Cad Overall Depth	1.73 in (44 mm)				
Net Weight	0.09 lb(US) (0.04 kg)				
Resistance To High Pressure Washer	1015.26 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	Bacic element				

Device Presentation

Basic element

Environment

Protective Treatment	тс
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)
Electrical Shock Protection Class	Class LIEC 60536

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	IP69K IP67 IEC 60529 IP69		
Nema Degree Of Protection	NEMA 13 NEMA 4X		
Ik Degree Of Protection	IK06 conforming to IEC 50102		
Standards	EN/IEC 60947-5-1 EN/IEC 60947-5-4 CSA C22.2 No 14 UL 508 JIS C8201-5-1 EN/IEC 60947-1 EN/IEC 60947-5-5 JIS C8201-1		
Product Certifications	GL LROS (Lloyds register of shipping) DNV UL Listed CSA BV		
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

Gtin

3389110828092

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

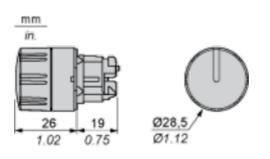
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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

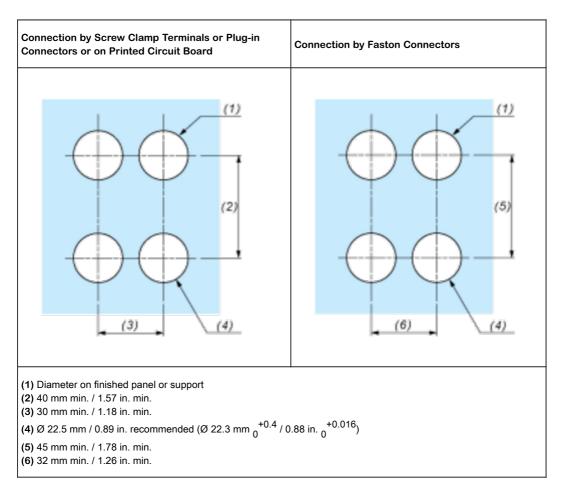
Dimensions Drawings

Dimensions



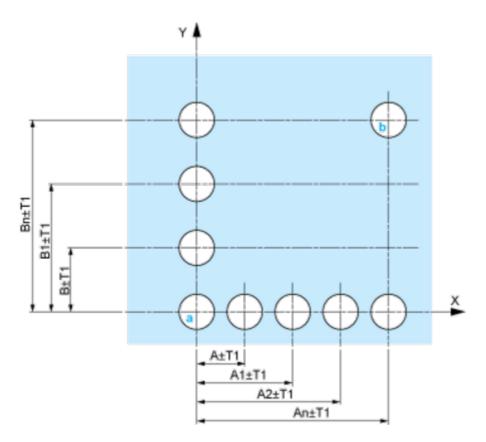
Mounting and Clearance

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



Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

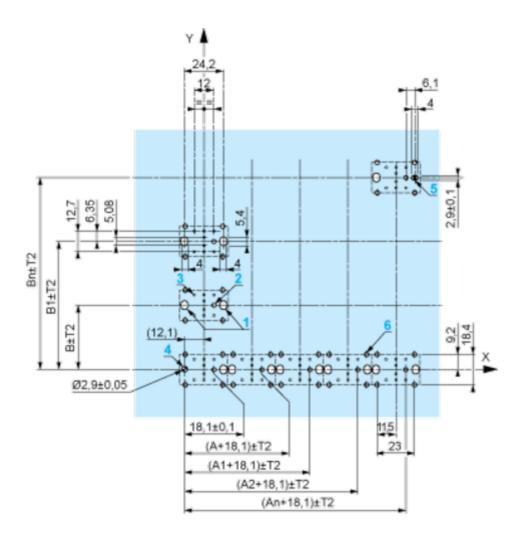
Panel Cut-outs (Viewed from Installer's Side)



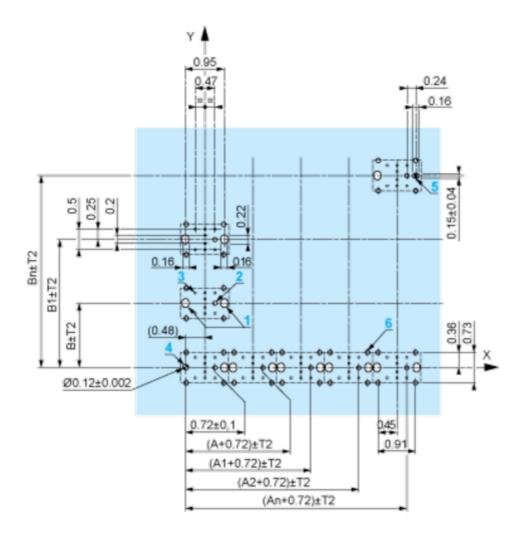
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

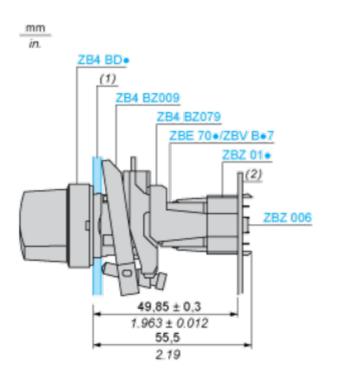
General Tolerances of the Panel and Printed Circuit Board

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

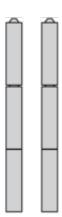
(2) Printed circuit board

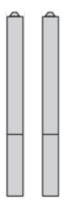
Mounting of Adapter (Socket) ZBZ 01•

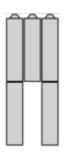
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the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

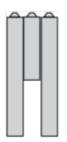
Dimensions An + 18.1 relate to the Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ 01•.

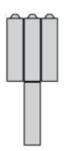
Technical Description

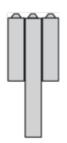












Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Legend

Single contact



Double contact



Light block



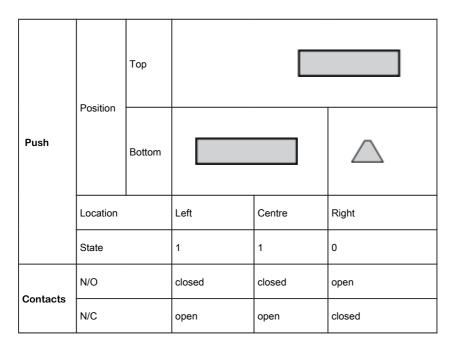
Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°





Position 0°



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

Position 45°



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