Specifications





() Discontinued

Head for selector switch, Harmony XB4, white Ø22 mm 3 position stay put

ZB4BD301

() Discontinued on: Dec 2, 2020

(!) End-of-service on: Dec 31, 2020

# Product availability: Non-Stock - Not normally stocked in distribution facility

### 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	0.87 in (22 mm)			
Head Type	Standard			
Sale Per Indivisible Quantity	1			
Shape Of Signaling Unit Head	Round			
Type Of Operator	stay put			
Operator Profile	White standard handle			
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** 

Basic element

### Environment

Protective Treatment	тн	
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)	

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

Ambient Air Temperature For Operation	-40158 °F (-4070 °C)				
Overvoltage Category	Class I IEC 60536				
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	CSA C22.2 No 14 EN/IEC 60947-5-4 JIS C8201-5-1 EN/IEC 60947-5-1 EN/IEC 60947-1 EN/IEC 60947-5-5 UL 508 JIS C8201-1				
Product Certifications	GL BV CSA DNV LROS (Lloyds register of shipping) UL Listed				
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	US10CS222468			
Discount Schedule	0CS2			
Gtin	00785901473930			
Returnability	No			
Country Of Origin	MX			

## **Contractual warranty**

Warranty

18 months

## Sustainability Screen Premium

**Green Premium<sup>TM</sup> 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-CO<sub>2</sub> 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

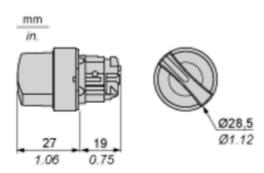
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

### **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		

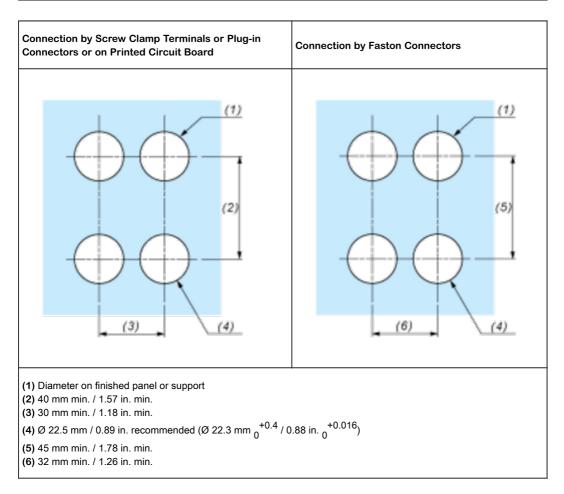
### **Dimensions Drawings**

#### Dimensions



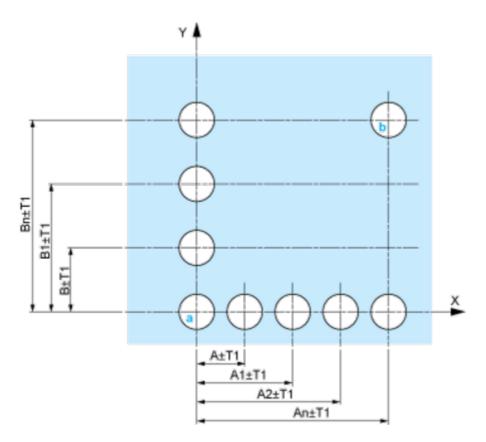
Mounting and Clearance

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



#### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

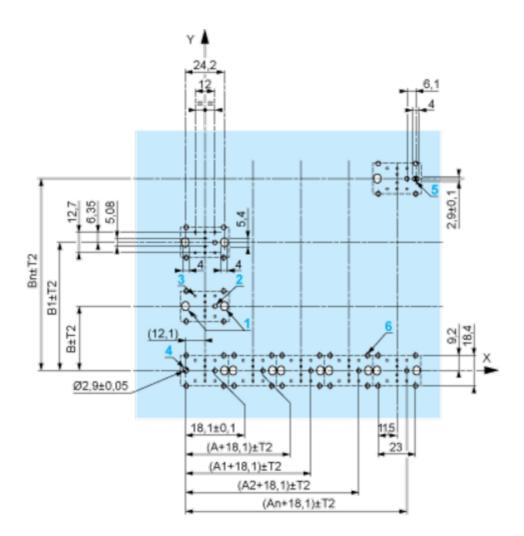
Panel Cut-outs (Viewed from Installer's Side)



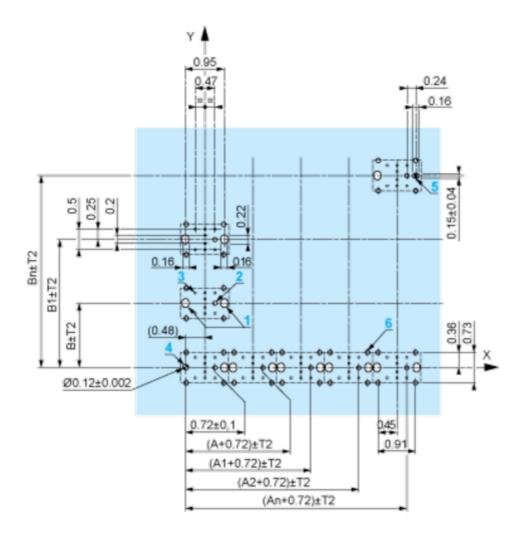
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

### 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.

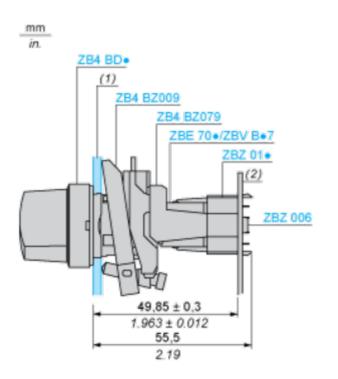
#### General Tolerances of the Panel and Printed Circuit Board

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

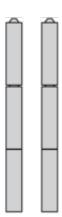
(2) Printed circuit board

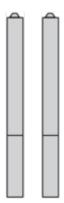
#### Mounting of Adapter (Socket) ZBZ 01•

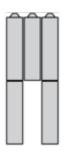
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the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

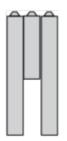
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.

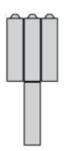
**Technical Description** 

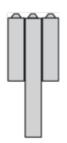












Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



#### Legend

Single contact



Double contact



Light block



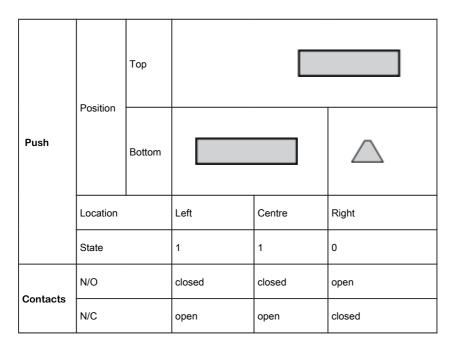
Possible location



#### 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