## **Product data sheet**

Specification





Head for selector switch, Harmony XB4, metal, black, 22mm, long handle, 3 positions, spring return to center

ZB4BJ5

Product availability: Stock - Normally stocked in distribution facility

Price\*: 29.40 USD

#### 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	To centre spring return
Operator Profile	Black long handle
Operator Additional Information	Non padlockable
Operator Position Information	3 positions +/- 45°

## Complementary

Cad Overall Width	1.14 in (29 mm)		
Cad Overall Height	1.50 in (38 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	JIS C8201-5-1 IEC 60947-1 IEC 60947-5-4 IEC 60947-5-5 UL 508 IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1
Product Certifications	UL Listed DNV LROS (Lloyds register of shipping) BV GL CSA
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	3389110889079		
Returnability	Yes		
Country Of Origin	MX		

## **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.42 in (3.600 cm)
Package 1 Width	2.13 in (5.400 cm)
Package 1 Length	2.13 in (5.400 cm)
Package 1 Weight	1.59 oz (45.200 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5
Package 2 Height	1.97 in (5.000 cm)
Package 2 Width	1.34 in (3.400 cm)
Package 2 Length	10.43 in (26.500 cm)
Package 2 Weight	7.97 oz (226.000 g)
Unit Type Of Package 3	S03
Number Of Units In Package 3	250
Package 3 Height	11.81 in (30.000 cm)

Package 3 Width	11.81 in (30.000 cm)		
Package 3 Length	15.75 in (40.000 cm)		
Package 3 Weight	26.07 lb(US) (11.824 kg)		

## **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

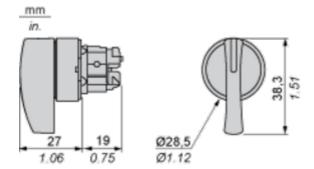
<b>⊘</b>	Reach Free Of Svhc	
<b>9</b>	Toxic Heavy Metal Free	
<b>②</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

## **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**



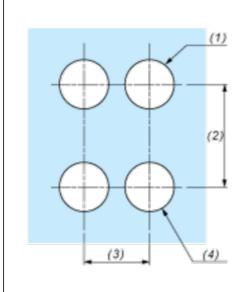
## ZB4BJ5

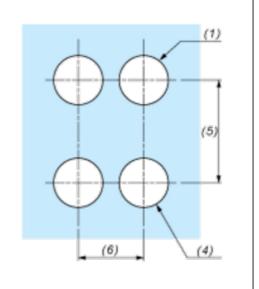
#### Mounting and Clearance

# 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** 

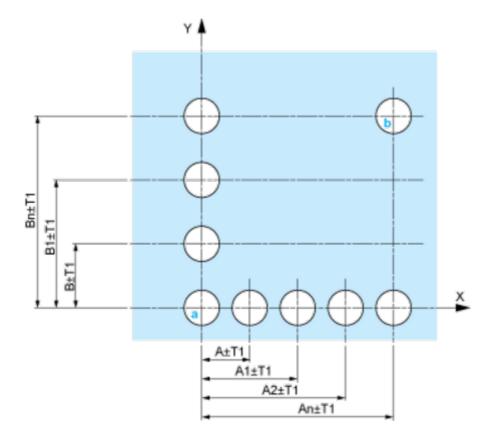




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

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

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

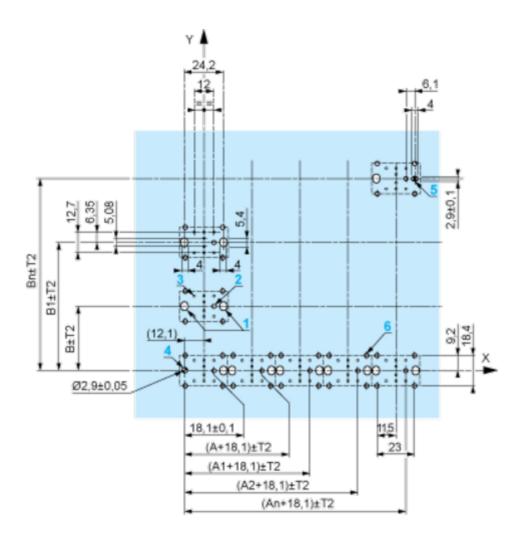


**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

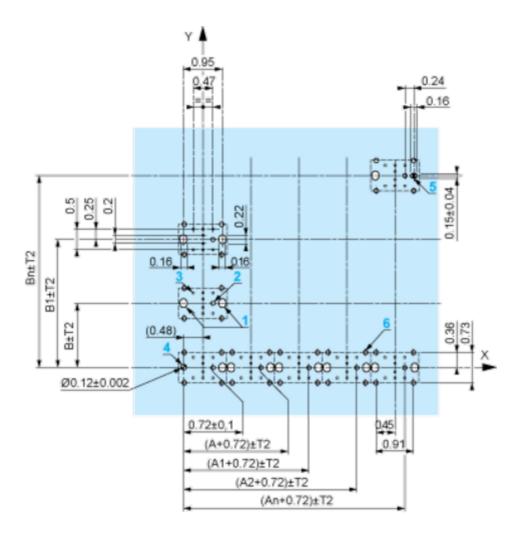
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm

## ZB4BJ5



A: 30 mm min. B: 40 mm min. Dimensions in in.



**A:** 1.18 in. min. **B:** 1.57 in. min.

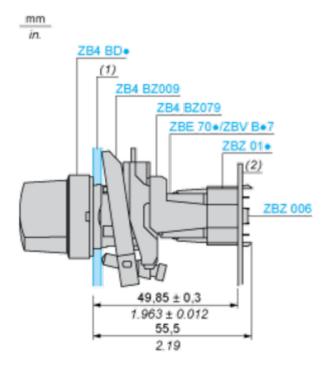
#### General Tolerances of the Panel and Printed Circuit Board

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.



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

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

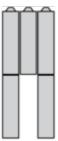
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the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

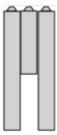
Dimensions An + 18.1 relate to the Ø 2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

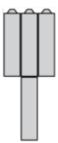
**Technical Description** 

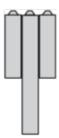












## **Product data sheet**

ZB4BJ5

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

#### Position 0°



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