

Head for double headed push button, Harmony XB4, metal, 22mm, 1 white flush marked I + 1 black flush marked O

ZB4BA7121

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

#### Main

Range of Product	Harmony XB4
Product or Component Type	Head for double-headed push-button
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	Rectangular
Type of operator	spring return
Operator profile	2 flush push-buttons
Operators description	White "I" - black "O"

### Complementary

Net Weight	0.123 lb(US) (0.056 kg)	
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m	
Colour of marking	Black marking when white caps White marking when green, red or black caps	
Operator profile	Black flush, O white) White flush, I black)	
Mechanical durability	1000000 cycles	
Electrical composition code	C3 6 single front mounting C4 6 single and double front mounting C14 2 single front mounting	
Device presentation	Basic element	

### **Environment**

Ambient Air Temperature for Storage	-40158 °F (-4070 °C)
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)
Electrical shock protection class	Class I conforming to IEC 60536
IP degree of protection	IP67 IEC 60529 IP69 IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X

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

IK degree of protection	IK06 conforming to IEC 50102	
Standards	UL 508	
	JIS C8201-5-1	
	IEC 60947-5-5	
	IEC 60947-1	
	IEC 60947-5-4	
	CSA C22.2 No 14	
	IEC 60947-5-1	
	JIS C8201-1	
Product Certifications	CSA	
	LROS (Lloyds register of shipping)	
	BV	
	UL Listed	
	DNV	
Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6	
Shock resistance	sistance 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	3389119043823
Returnability	Yes
Country of origin	FR

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.26 in (3.2 cm)
Package 1 Width	1.81 in (4.6 cm)
Package 1 Length	1.97 in (5.0 cm)
Package 1 Weight	2.01 oz (57.0 g)
Unit Type of Package 2	S03
Number of Units in Package 2	200
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	26.19 lb(US) (11.88 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

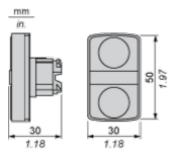
### **Use Again**

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

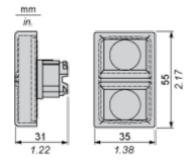
### **Dimensions Drawings**

### **Dimensions**

### **Without Boot**



### Without Boot ZBA708

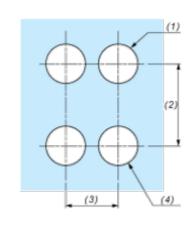


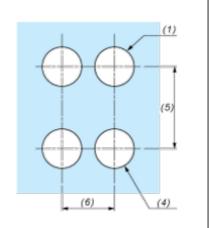
### Mounting and Clearance

# 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** 

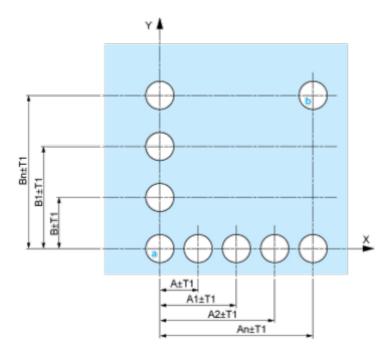




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

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

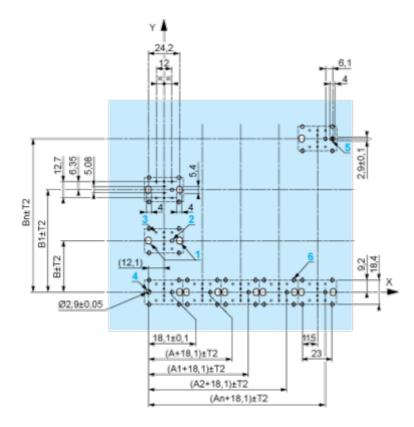
#### Panel Cut-outs (Viewed from Installer's Side)



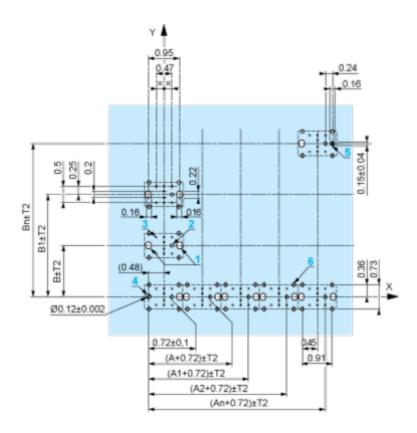
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

### 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

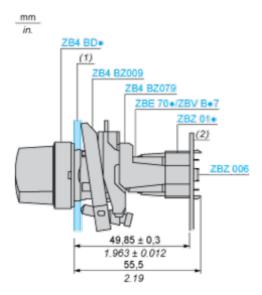
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

### **Installation Precautions**

- 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**.

### **ZB4BA7121**



- (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∙

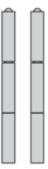
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.

# Product data sheet

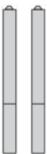
**ZB4BA7121** 

**Technical Description** 

**Electrical Composition Corresponding to Code C3** 



### **Electrical Composition Corresponding to Code C4**



# **Product data sheet**

# ZB4BA7121

**Electrical Composition Corresponding to Codes C14, SF2 and SR2** 



		_	_	۰
L	.eg	е	п	O

Single contact



Double contact



Light block

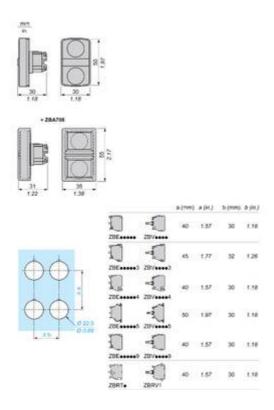


Possible location



### **Technical Illustration**

### **Dimensions**



13

### Offer Marketing Illustration

#### Product benefits / Features

# **Technical Benefits**

### Harmony XB4



### Offer Marketing Illustration

#### **Product benefits / Features**



Image of product / Alternate images

**Alternative** 







