# Product data sheet

Specification





Triple-headed push button head, metal, Ø22, marked,1 green flush I + 1 red projecting STOP + 1 green flush II

ZB4BA73132



- ! 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 triple-headed push-button	
Device short name	ZB4	
Bezel material	Chromium plated metal	
Mounting diameter	0.9 in (22 mm)	
Sale per indivisible quantity	1	
Head type	Standard	
Shape of signaling unit head	Rectangular	
Type of operator	spring return	
Operator profile	2 flush - 1 central projecting STOP push-buttons	
Operators description	Green "I" - green "II" - red "STOP"	

### Complementary

Net Weight	0.123 lb(US) (0.056 kg)	
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131.0000000000 °F (55 °C) 0.1 m	
Colour of marking	White marking when green, red or black caps Black marking when white caps	
Operator profile	Red projecting, STOP white) Green flush, I white) Green flush, II white)	
Mechanical durability	1000000 cycles	
Electrical composition code	C1 9 single front mounting C2 9 single and double front mounting C11 3 single front mounting	
device presentation	Basic element	

#### **Environment**

Ambient Air Temperature for Storage	-40.000000000158.0000000000 °F (-4070 °C)	
Ambient Air Temperature for Operation	-13.0000000000158.00000000000 °F (-2570 °C)	
Electrical shock protection class	Class LIEC 60526	

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

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IP degree of protection IP69 IEC 60529		
NEMA degree of protection	NEMA 13 NEMA 4X	
IK degree of protection	IK06 conforming to IEC 50102	
Standards	EN/IEC 60947-5-4  JIS C8201-5-1  CSA C22.2 No 14  EN/IEC 60947-1  UL 508  EN/IEC 60947-5-1  EN/IEC 60947-5-5  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	

# Ordering and shipping details

Category	US10CS222468	
Discount Schedule	0CS2	
GTIN	3389119043632	
Returnability	No	
Country of origin	FR	

# **Contractual warranty**

Warranty 18 months



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

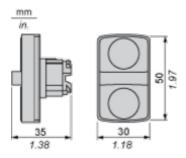
#### **Certifications & Standards**

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		

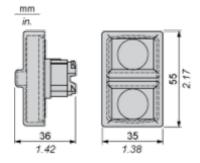
### **Dimensions Drawings**

#### **Dimensions**

#### **Without Boot**



#### With Boot ZBA709

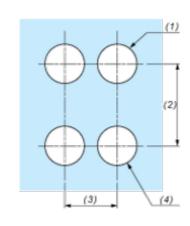


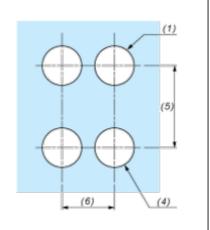
#### Mounting and Clearance

# 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** 

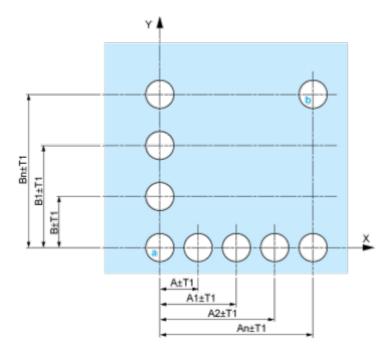




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

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

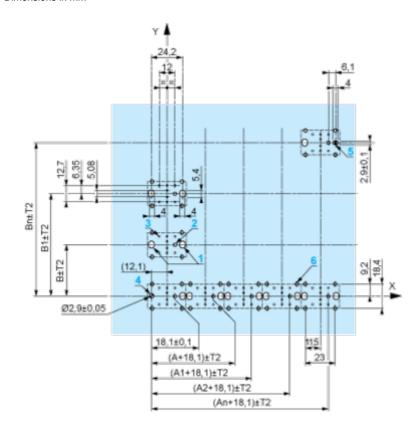
#### Panel Cut-outs (Viewed from Installer's Side)



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

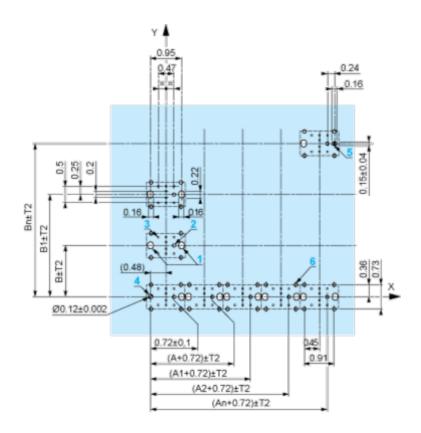
#### Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



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

#### ZB4BA73132



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

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

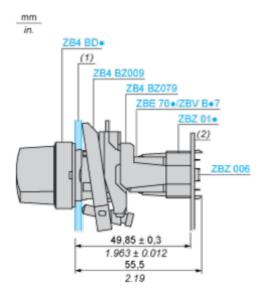
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

#### **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).
  - 。 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**.

#### ZB4BA73132



- (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**

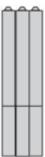
### ZB4BA73132

**Technical Description** 

**Electrical Composition Corresponding to Code C1** 



### **Electrical Composition Corresponding to Code C2**



# Product data sheet ZB4BA73132

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



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Single contact



Double contact



Light block



Possible location

