Product data sheet

Specification





Head for double headed push button, Harmony XB4, metal, 22mm, without cap

ZB4BA79

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

Price*: 35.00 USD

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	Black pushes without cap	

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	Black marking when white caps White marking when green, red or black caps	
Operator profile	without cap	
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	-40.0000000000158.0000000000 °F (-4070 °C)	
Ambient Air Temperature for Operation	-40.0000000000158.0000000000 °F (-4070 °C)	
Electrical shock protection class	Class I 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 IK03 conforming to IEC 50102		
Standards	IEC 60947-5-5	
	UL 508	
	JIS C8201-5-1	
	IEC 60947-5-1	
	CSA C22.2 No 14	
	IEC 60947-5-4	
	IEC 60947-1	
	JIS C8201-1	
Product Certifications	DNV	
	LROS (Lloyds register of shipping)	
	UL Listed	
	CSA	
	BV	
	GL	
Vibration resistance	sistance 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	3389119043878	
Returnability	No	
Country of origin	FR	

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	1.3 in (3.2 cm)	
Package 1 Width	2.05 in (5.2 cm)	
Package 1 Length	2.1 in (5.4 cm)	
Package 1 Weight	1.8 oz (50.0 g)	
Unit Type of Package 2	BB1	
Number of Units in Package 2	5	
Package 2 Height	2.2 in (5.5 cm)	
Package 2 Width	1.3 in (3.3 cm)	
Package 2 Length	10.4 in (26.5 cm)	
Package 2 Weight	9.9 oz (281.0 g)	
Unit Type of Package 3	S02	
Number of Units in Package 3	50	
Package 3 Height	5.9 in (15.0 cm)	
Package 3 Width	11.8 in (30.0 cm)	
Package 3 Length	15.7 in (40.0 cm)	
Package 3 Weight	6.94 lb(US) (3.15 kg)	

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

Ø	Reach Free Of Svhc	
②	Toxic Heavy Metal Free	
Ø	Mercury Free	
⊘	Rohs Exemption Information	Yes

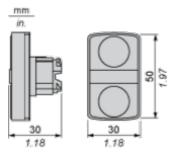
Certifications & Standards

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

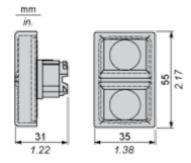
Dimensions Drawings

Dimensions

Without Boot



Without Boot ZBA708



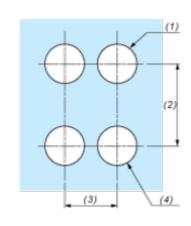
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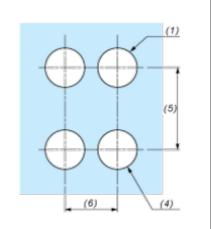
Mounting and Clearance

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

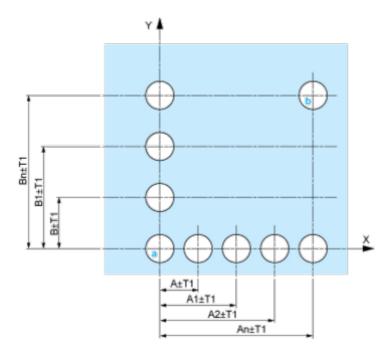




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

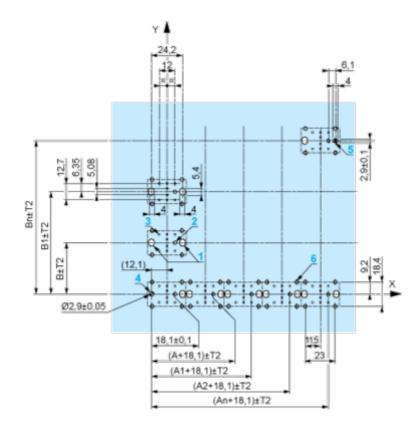
Panel Cut-outs (Viewed from Installer's Side)



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

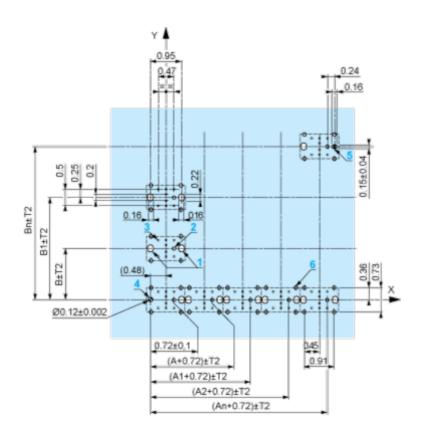
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



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

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

General Tolerances of the Panel and Printed Circuit Board

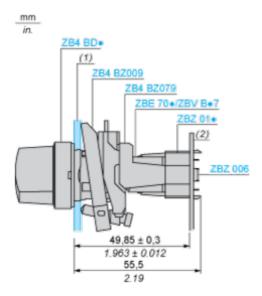
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

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**.

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- (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 \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ 01•.

Jul 5, 2024

Product data sheet

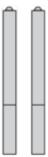
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Technical Description

Electrical Composition Corresponding to Code C3



Electrical Composition Corresponding to Code C4



Product data sheet

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Electrical Composition Corresponding to Codes C14, SF2 and SR2



Legend

Single contact



Double contact



Light block



Possible location

