Product datasheet Characteristics

ZB4BW7A3741

green flush/red flush illuminated double-headed pushbutton Ø22 with marking



Main

Range of product	Harmony XB4			
Product or component type	Head for illuminated double-headed push-button			
Product compatibility	Integral LED			
Device short name	ZB4			
Bezel material	Chromium plated metal			
Mounting diameter	22 mm			
Sale per indivisible quantity	1			
Shape of signaling unit head	Rectangular			
Type of operator	Spring return			
Operator profile	2 flush push-buttons - 1 central pilot light			
Operators description	Green "I" - red "O"			

Complementary

Main	
Range of product	Harmony XB4
Product or component type	Head for illuminated double-headed push-button
Product compatibility	Integral LED
Device short name	ZB4
Bezel material	Chromium plated metal
Mounting diameter	22 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Rectangular
Type of operator	Spring return
	Spring return 2 flush push-buttons - 1 central pilot light
Type of operator Operator profile Operators description Complementary	· · ·
Operator profile Operators description Complementary	2 flush push-buttons - 1 central pilot light
Operator profile Operators description Complementary CAD overall width	2 flush push-buttons - 1 central pilot light Green "I" - red "O"
Operator profile Operators description Complementary CAD overall width CAD overall height	2 flush push-buttons - 1 central pilot light Green "I" - red "O" 30 mm
Operator profile Operators description Complementary CAD overall width CAD overall height CAD overall depth	2 flush push-buttons - 1 central pilot light Green "I" - red "O" 30 mm 50 mm
Operator profile Operators description Complementary CAD overall width CAD overall height CAD overall depth Product weight	2 flush push-buttons - 1 central pilot light Green "I" - red "O" 30 mm 50 mm 30 mm
Operator profile Operators description Complementary CAD overall width CAD overall height CAD overall depth Product weight Resistance to high pressure washer	2 flush push-buttons - 1 central pilot light Green "I" - red "O" 30 mm 50 mm 30 mm 0.056 kg
Operator profile Operators description Complementary CAD overall width CAD overall height CAD overall depth Product weight Resistance to high pressure washer Colour of marking	2 flush push-buttons - 1 central pilot light Green "I" - red "O" 30 mm 50 mm 30 mm 0.056 kg 7000000 Pa at 55 °C,distance: 0.1 m Black marking when white caps
Operator profile	2 flush push-buttons - 1 central pilot light Green "I" - red "O" 30 mm 50 mm 30 mm 0.056 kg 7000000 Pa at 55 °C,distance: 0.1 m Black marking when white caps White marking when green, red or black caps Green flush, white I

Environment

Littiioiit						
Protective treatment	TH					
Ambient air temperature for storage	-4070 °C					
Ambient air temperature for operation	-4070 °C					
Class of protection against electric shock	Class I conforming to IEC 61140					
IP degree of protection	IP69 IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 IP69K					
NEMA degree of protection	NEMA 13 NEMA 4X					
IK degree of protection	IK06 conforming to IEC 50102					
Standards	EN/IEC 60947-5-4 CSA C22.2 No 14 EN/IEC 60947-5-5 EN/IEC 60947-5-1 JIS C 4520 EN/IEC 60947-1 UL 508					
Product certifications	GL BV CSA DNV RINA UL listed LROS (Lloyds register of shipping)					
Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6					
Shock resistance (Duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 (Duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27						

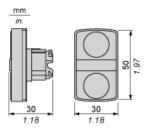
Contractual warranty

Product datasheet Dimensions Drawings

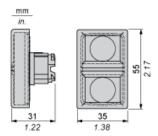
ZB4BW7A3741

Dimensions

Without Boot



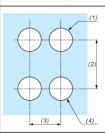
With Boot ZBA708

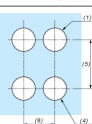


ZB4BW7A3741

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 to Dimediac day of Faston Connectors

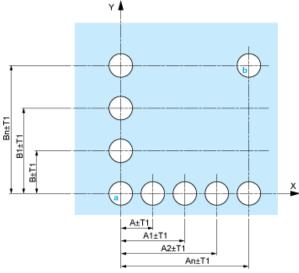




- Diameter on finished panel or support
- (2) (3) 40 mm min. / 1.57 in. min.
- 30 mm min. / 1.18 in. min.
- Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0$ $^{+0.4}$ / 0.88 in. $_0$ $^{+0.016}$) (4)
- 45 mm min. / 1.78 in. min.
- 32 mm min. / 1.26 in. min.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

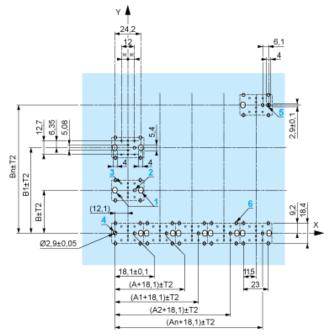
Panel Cut-outs (Viewed from Installer's Side)



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

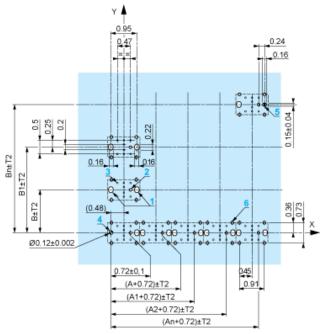
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



- A: 30 mm min.
- B: 40 mm min.

Dimensions in in.



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

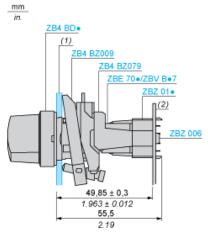
General Tolerances of the Panel and Printed Circuit Board

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:
 - o 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

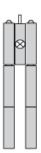
Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 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•.

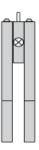
ZB4BW7A3741

Electrical Composition Corresponding to Codes M1 and M7



ZB4BW7A3741

Electrical Composition Corresponding to Codes M2 and M8



ZB4BW7A3741

Electrical Composition Corresponding to Codes M6 and P2



ZB4BW7A3741

Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



ZB4BW7A3741

_	_	α	0	n	^
- 1		u	ᆫ	н	u

Single contact



Double contact



Light block



Possible location

