# **Product data sheet**

Specification





Head for illuminated push button, Harmony XB4, orange flush, 22mm, universal LED, spring return, plain, unmarked

ZB4BW3537

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

Important message: Viktig information: en förändring i utseendet kan observeras på produkten, men detta påverkar inte dess användning i termer av funktion och säkerhet. Detta gör den kompatibel med våra Universal LED-block

Price\*: 24.00 USD

#### Main

Range Of Product	Harmony XB4	
Product Or Component Type	Head for illuminated push-button	
Device Short Name	ZB4	
Product Compatibility	Integral LED	
Bezel Material	Black metal	
Head Type	Standard	
Mounting Diameter	0.89 in (22.5 mm)	
Sale Per Indivisible Quantity	1	
Shape Of Signaling Unit Head	Round	
Type Of Operator	spring return	
Operator Profile	Orange flush, unmarked	
Operator Additional Information	With plain lens	
Cap/Operator Or Lens Colour	Orange	

#### Complementary

Cad Overall Width	1.14 in (29 mm)
Cad Overall Height	1.14 in (29 mm)
Cad Overall Depth	1.18 in (30 mm)
Net Weight	0.06 lb(US) (0.026 kg)
Resistance To High Pressure Washer	1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Mechanical Durability	10000000 cycles
Electrical Composition Code	M1 6 single front mounting integral LED M2 6 single and double front mounting integral LED M6 2 single front mounting integral LED and transformer M10 2 single front mounting integral LED
Device Presentation	Basic sub-assemblies

#### **Environment**

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

Protective Treatment	тн
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)
Overvoltage Category	Class I IEC 60536
Ip Degree Of Protection	IP66 IEC 60529 IP67 IP69 IP69K
Nema Degree Of Protection	NEMA 13 NEMA 4X
Ik Degree Of Protection	IK06 conforming to IEC 62262
Standards	JIS C8201-5-1 IEC 60947-5-5 IEC 60947-5-4 UL 508 CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-1 JIS C8201-1
Product Certifications	UL Listed BV LROS (Lloyds register of shipping) GL DNV 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	3389110840087
Returnability	No
Country Of Origin	FR

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.42 in (3.6 cm)
Package 1 Width	1.97 in (5 cm)
Package 1 Length	1.26 in (3.2 cm)
Package 1 Weight	0.92 oz (26 g)
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5
Package 2 Height	1.73 in (4.4 cm)
Package 2 Width	10.43 in (26.5 cm)
Package 2 Length	1.34 in (3.4 cm)
Package 2 Weight	4.59 oz (130 g)

Unit Type Of Package 3	S02
Number Of Units In Package 3	100
Package 3 Height	5.91 in (15 cm)
Package 3 Width	11.81 in (30 cm)
Package 3 Length	15.75 in (40 cm)
Package 3 Weight	6.49 lb(US) (2.945 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.

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Transparency RoHS/REACh

### Well-being performance

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

#### **Certifications & Standards**

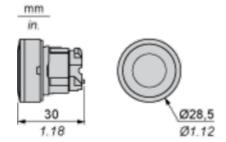
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

## **Product data sheet**

## **ZB4BW3537**

**Dimensions Drawings** 

#### **Dimensions**



#### Mounting and Clearance

# Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

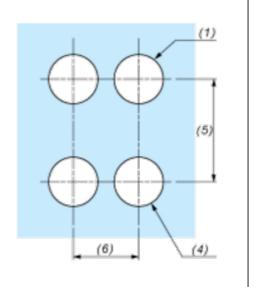
Connectors or on Printed Circuit Board

(1)

(2)

Connection by Screw Clamp Terminals or Plug-in

**Connection by Faston Connectors** 



(1) Diameter on finished panel or support

(3)

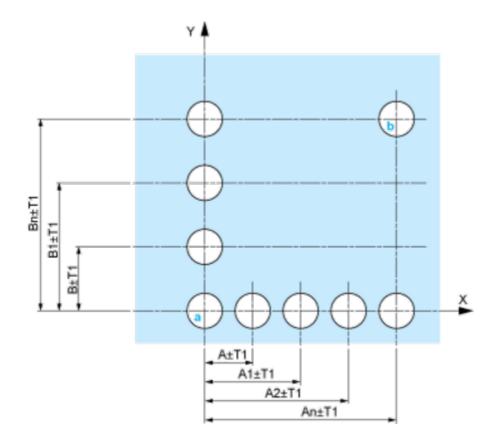
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )

(4)

- (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)

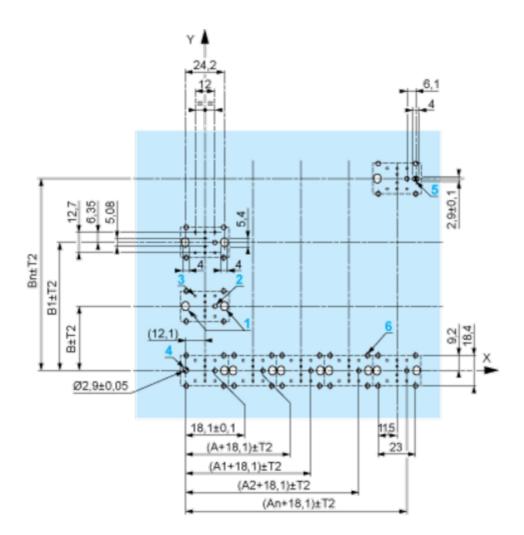


**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

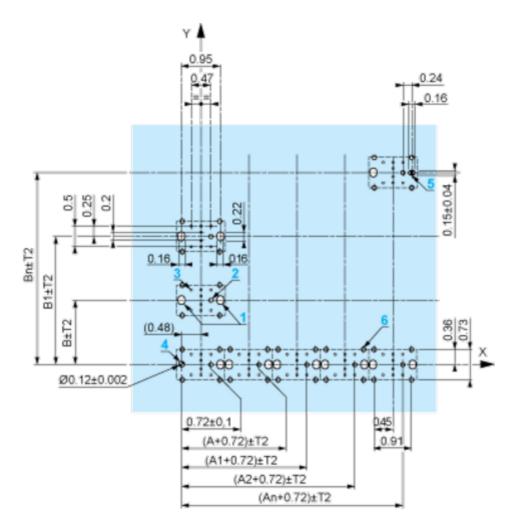
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm

## **ZB4BW3537**



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



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

Apr 25, 2024

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

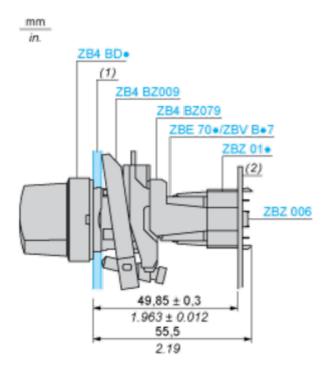
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

#### **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.

#### **ZB4BW3537**



(1) Panel

10

(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•

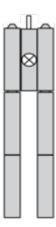
Dimensions An + 18.1 relate to the Ø 2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

## **Product data sheet**

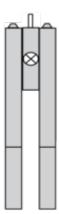
## **ZB4BW3537**

**Technical Description** 

**Electrical Composition Corresponding to Codes M1 and M7** 



#### **Electrical Composition Corresponding to Codes M2 and M8**



#### **Electrical Composition Corresponding to Codes M6 and P2**



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



#### Legend

Single contact



Double contact



Light block



Possible location

