# **Product data sheet**

Specifications





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

ZB4BW3337

Important message: A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks

#### 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	0.9 in (22.5 mm)	
Sale per indivisible quantity	1	
Shape of signaling unit head	Round	
Type of operator	spring return	
Operator profile	Green flush, unmarked	
Operator additional information	With plain lens	
Cap/operator or lens colour	Green	

## Complementary

CAD overall width	1.1 in (29 mm)	
CAD overall height	1.1 in (29 mm)	
CAD overall depth	1.2 in (30 mm)	
Net Weight	0.057 lb(US) (0.026 kg)	
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131.00000000000 °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**

protective treatment	тн
Ambient Air Temperature for Storage	-40.0000000000158.00000000000 °F (-4070 °C)
Ambient Air Temperature for Operation	-40.0000000000158.00000000000 °F (-4070 °C)

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

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	IEC 60947-1 IEC 60947-5-4 JIS C8201-5-1 IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-5-5 UL 508 JIS C8201-1		
Product Certifications	CSA UL Listed LROS (Lloyds register of shipping) BV GL DNV		
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

GTIN 3389110840063

# **Packing Units**

_	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1.732 in (4.400 cm)
Package 1 Width	1.378 in (3.500 cm)
Package 1 Length	2.165 in (5.500 cm)
Package 1 Weight	0.917 oz (26.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	100
Package 2 Height	5.906 in (15.000 cm)
Package 2 Width	11.811 in (30.000 cm)
Package 2 Length	15.748 in (40.000 cm)
Package 2 Weight	6.382 lb(US) (2.895 kg)

## **Contractual warranty**

Warranty 18 months



**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**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

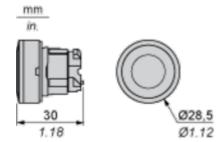
<b>Ø</b>	Reach Free Of Svhc	
<b>Ø</b>	Toxic Heavy Metal Free	
<b>Ø</b>	Mercury Free	
<b>Ø</b>	Rohs Exemption Information	Yes

## **Certifications & Standards**

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	

## **Dimensions Drawings**

#### **Dimensions**



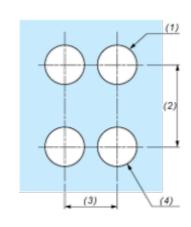
#### **ZB4BW3337**

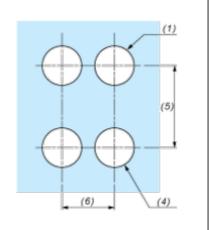
#### Mounting and Clearance

# 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** 

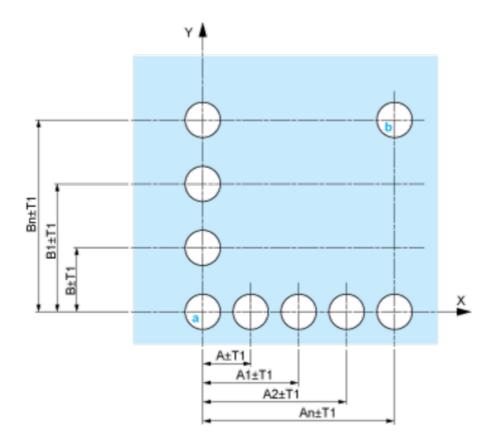




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

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

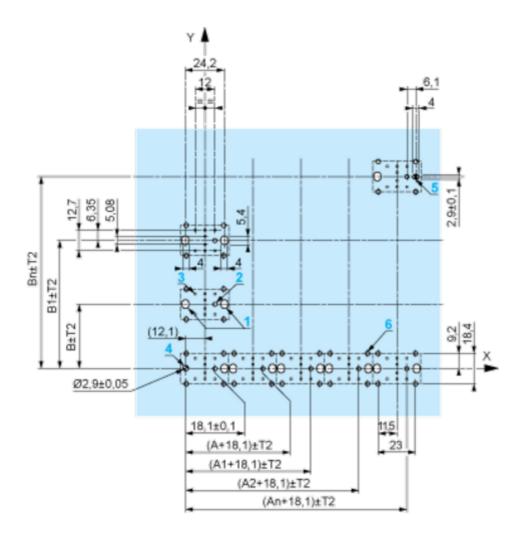
#### Panel Cut-outs (Viewed from Installer's Side)



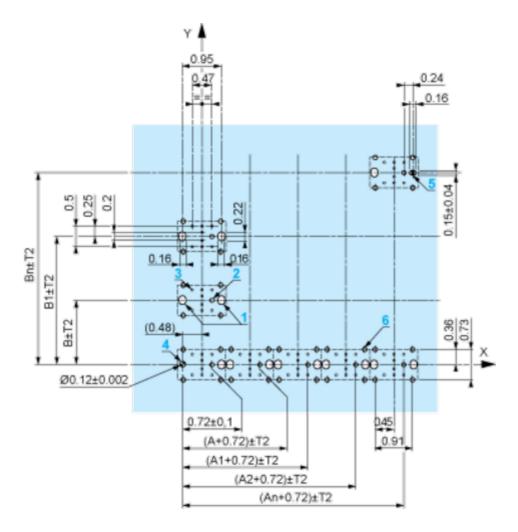
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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

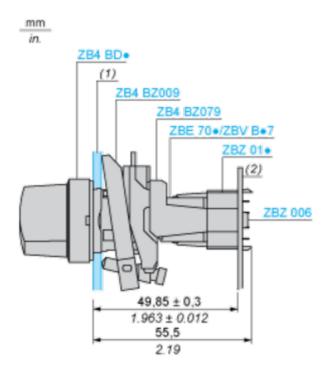
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

#### **Installation Precautions**

- $_{\bullet}$  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.

#### **ZB4BW3337**



- (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
- 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•

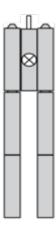
Dimensions An + 18.1 relate to the  $\emptyset$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

## **Product data sheet**

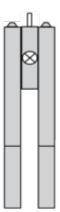
#### **ZB4BW3337**

**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**



## **Product data sheet**

## **ZB4BW3337**

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

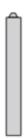


•	.eg	Δ	n	r
_		•		•

Single contact



Double contact



Light block



Possible location

