Specifications





() Discontinued

# Head for non illuminated push button, Harmony XB4, XB5, green Ø 30 mushroom pushbutton Ø22 mm spring return

ZB4BC347

- () Discontinued on: Dec 2, 2020
- () End-of-service on: Dec 31, 2020

#### Main

Range Of Product	Harmony XB4
Product Or Component Type	Head for non-illuminated push-button
Device Short Name	ZB4
Bezel Material	Black metal
Mounting Diameter	0.87 in (22 mm)
Sale Per Indivisible Quantity	1
Head Type	Standard
Shape Of Signaling Unit Head	Round
Type Of Operator	spring return
Operator Profile	Green mushroom Ø 30 mm, unmarked

### Complementary

Cad Overall Width	1.18 in (30 mm)	
Cad Overall Height	1.18 in (30 mm)	
Cad Overall Depth	2.05 in (52 mm)	
Mechanical Durability	5000000 cycles	
Electrical Composition Code	C1 9 single front mounting	
	C2 9 single and double front mounting	
	C11 3 single front mounting C15 1 single front mounting	
Device Presentation	Basic element	

#### Environment

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 IP69 IP69K	
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	IK06 conforming to IEC 50102	
Standards	EN/IEC 60947-1	
	EN/IEC 60947-5-4	
	JIS C8201-5-1	
	EN/IEC 60947-5-1	
	UL 508	
	EN/IEC 60947-5-5	
	CSA C22.2 No 14	
	JIS C8201-1	
Product Certifications	UL Listed	
	GL	
	DNV	
	LROS (Lloyds register of shipping)	
	CSA	
	BV	
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

3389110823684

### **Contractual warranty**

Warranty

18 months

## Sustainability Screen Premium

**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

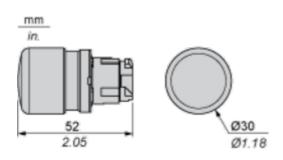
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

#### **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



4

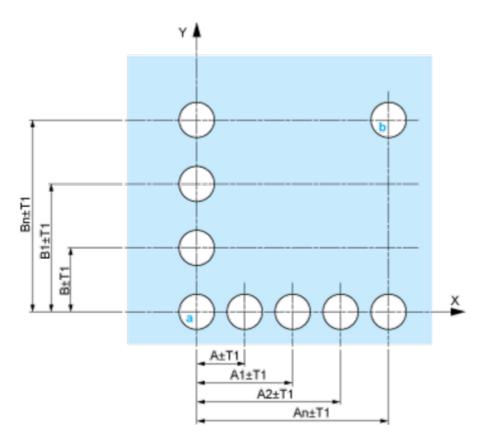
Mounting and Clearance

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



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

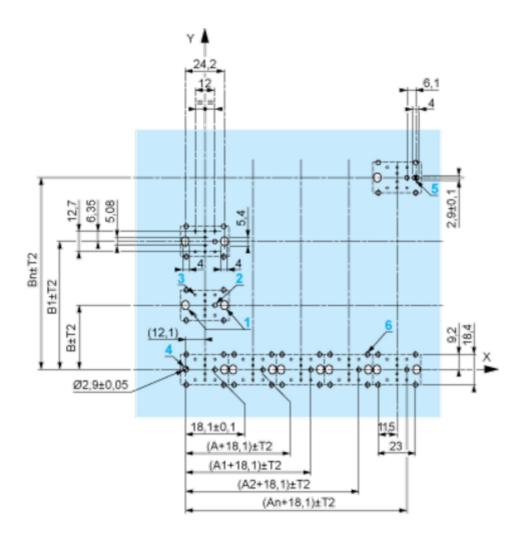
Panel Cut-outs (Viewed from Installer's Side)



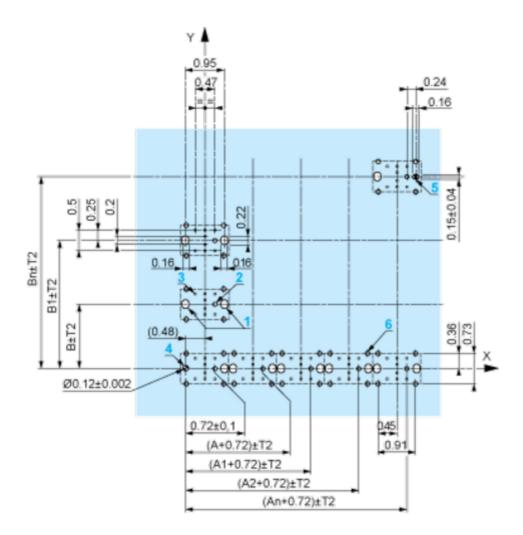
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

#### 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.

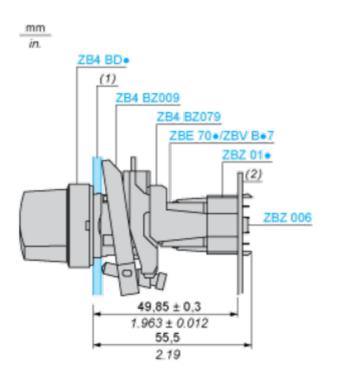
#### General Tolerances of the Panel and Printed Circuit Board

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<sup>°</sup>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.



(1) Panel

(2) Printed circuit board

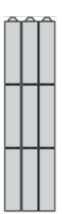
#### Mounting of Adapter (Socket) ZBZ 01•

- 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•

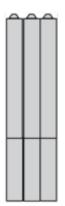
Dimensions An + 18.1 relate to the Ø 2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

**Technical Description** 

Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2



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



#### Electrical Composition Corresponding to Code C15

1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



#### Legend

Single contact



Double contact



Light block



Possible location

