Product data sheet





Head for illuminated push button, Harmony XB4, metal, orange muhroom 40mm, 22mm, universal LED, latching push pull

ZB4BW653

Product availability: Stock - 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*: 46.00 USD

Main

Range Of Product	Harmony XB4	
Product Or Component Type	Head for illuminated push-button	
Device Short Name	ZB4	
Product Compatibility	Universal LED	
Bezel Material	Chromium plated 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	latching	
Reset	Push-pull	
Operator Profile	Orange mushroom Ø 40 mm, unmarked	
Cap/Operator Or Lens Colour	Orange	

Complementary

Cad Overall Width	1.57 in (40 mm)
Cad Overall Height	1.57 in (40 mm)
Cad Overall Depth	2.09 in (53 mm)
Net Weight	0.11 lb(US) (0.051 kg)
Resistance To High Pressure Washer	1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Mechanical Durability	500000 cycles
Electrical Composition Code	M6 2 single front mounting integral LED and transformer M10 2 single front mounting integral LED M3 4 single front mounting integral LED M4 4 single and double 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 IP69 IP69K	
Nema Degree Of Protection	NEMA 13 NEMA 4X	
lk Degree Of Protection IK05 conforming to IEC 62262		
Standards	IEC 60947-5-1 CSA C22.2 No 14 IEC 60947-5-5 IEC 60947-1 IEC 60947-5-4 JIS C8201-5-1 UL 508 JIS C8201-1	
Product Certifications	GL UL Listed 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

Category	US10CS222468
Discount Schedule	0CS2
Gtin	3389110666625
Returnability	Yes
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.17 in (5.5 cm)
Package 1 Width	3.62 in (9.2 cm)
Package 1 Length	1.77 in (4.5 cm)
Package 1 Weight	1.98 oz (56.0 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	80
Package 2 Height	11.81 in (30.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	10.93 lb(US) (4.96 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

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

Certifications & Standards

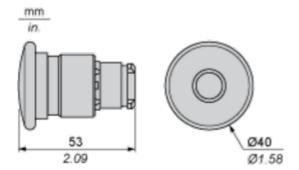
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

Product data sheet

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Dimensions Drawings

Dimensions



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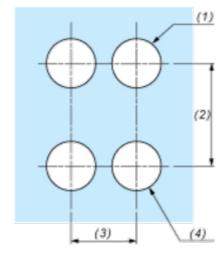
Mounting and Clearance

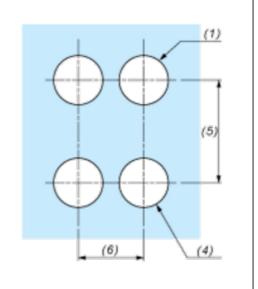
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connectors or on Printed Circuit Board

Connection by Screw Clamp Terminals or Plug-in

Connection by Faston Connectors

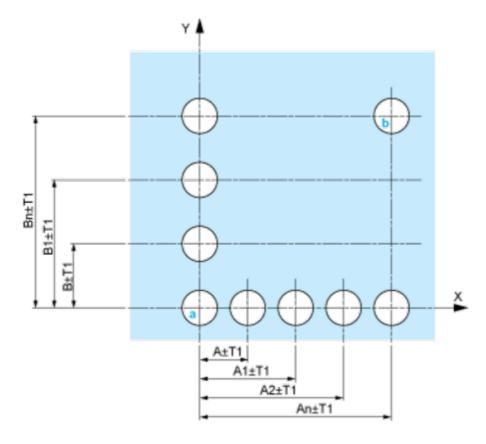




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

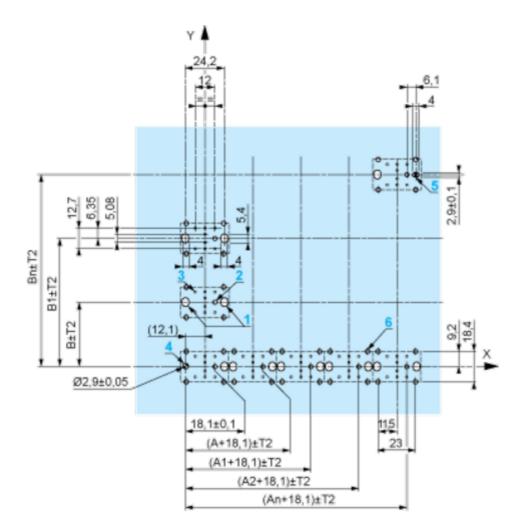


A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

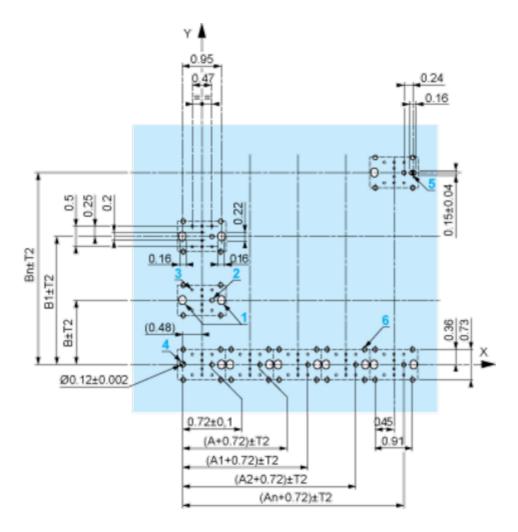
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm

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



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

Apr 24, 2024

General Tolerances of the Panel and Printed Circuit Board

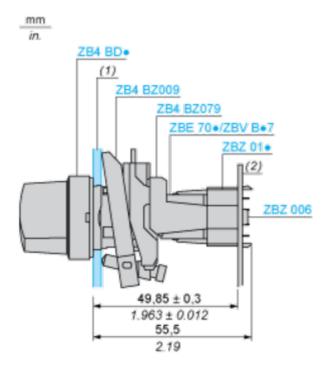
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

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.

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(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•

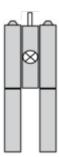
Dimensions An + 18.1 relate to the Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ 01•.

Product data sheet

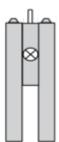
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Technical Description

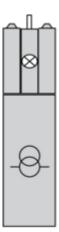
Electrical Composition Corresponding to Code M3



Electrical Composition Corresponding to Code M4



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

