Specifications





Head for emergency switching off push button, Harmony XB4, red, mushroom 30mm, 22mm, trigger/ latching push-pull to release, unmarked

ZB4BT847

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

Price*: 40.40 USD

Main

Range of Product	Harmony XB4	
Product or Component Type	Head for emergency switching off push-button	
Device short name	ZB4	
Bezel material	Black metal	
Mounting diameter	0.9 in (22 mm)	
Sale per indivisible quantity	1	
Shape of signaling unit head	Round	
Type of operator	trigger action and mechanical latching	
Reset	Push-pull	
Operator profile	Red mushroom Ø 40 mm, unmarked	
Head type	Standard	

Complementary

CAD overall width	1.6 in (40 mm)	
CAD overall height	1.6 in (40 mm)	
CAD overall depth	2.2 in (56 mm)	
Net Weight	0.172 lb(US) (0.078 kg)	
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131.0000000000 °F (55 °C) 0.1 m	
Mechanical durability	300000 cycles	
Electrical composition code	C7 4 single front mounting C8 4 single and double front mounting C11 3 single front mounting	
	C15 1 single front mounting C10 4 single and double front mounting	
device presentation	Basic element	

Environment

protective treatment	TH	
Ambient Air Temperature for Storage	-40.0000000000158.0000000000 °F (-4070 °C)	
Ambient Air Temperature for Operation	-40.0000000000158.0000000000 °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.

Electrical shock protection class	Class I IEC 61140
IP degree of protection	IP66 IEC 60529
	IP67
	IP69
	IP69K
NEMA degree of protection	NEMA 13
	NEMA 4X
	NEMA 4
	NEMA 12
IK degree of protection	IK06 conforming to IEC 50102
Standards	IEC 60947-5-5
	IEC 60947-1
	UL 508
	IEC 60947-5-4
	ISO 13850
	IEC 60204-1
	IEC 60364-5-53
	GB 14048.5
	IEC 60947-5-1
	JIS C8201-5-1
	CSA C22.2 No 14
	JIS C8201-1
Product Certifications	GL
	BV
	CSA
	DNV
	UL Listed
	LROS (Lloyds register of shipping)
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	3389110824261	
Returnability	No	
Country of origin	CZ	

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	2.087 in (5.300 cm)
Package 1 Length	3.661 in (9.300 cm)
Package 1 Weight	2.610 oz (74.000 g)

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

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

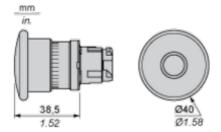
Certifications & Standards

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

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Dimensions Drawings

Dimensions



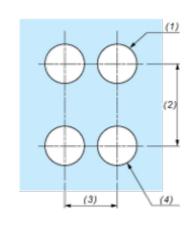
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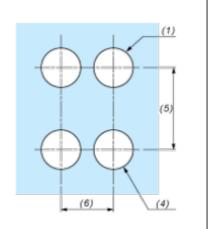
Mounting and Clearance

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

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board

Connection by Faston Connectors

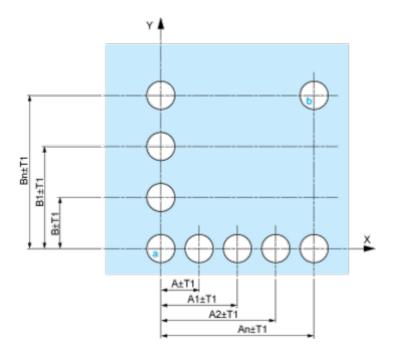




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

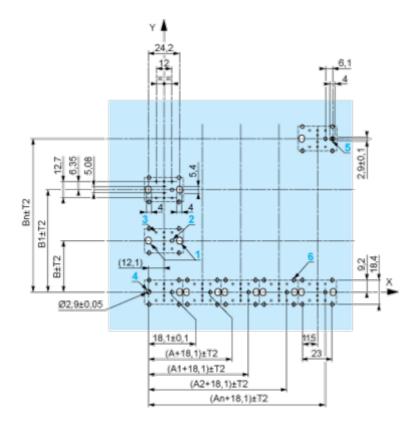
Panel Cut-outs (Viewed from Installer's Side)



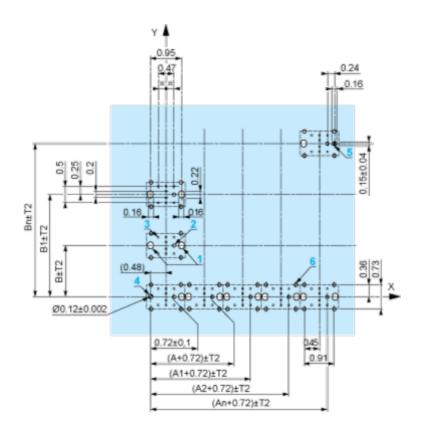
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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

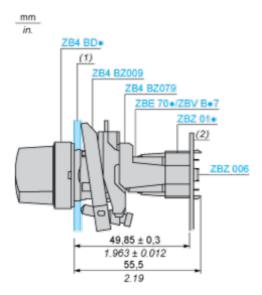
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

Installation Precautions

- 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
- (2) Printed circuit board

Mounting of Adapter (Socket) ZBZ 01•

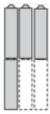
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- $_{ullet}$ 4 1 hole Ø 2.9 mm \pm 0.05 / 0.11 in. \pm 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole 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•.

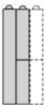
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Technical Description

Electrical Composition Corresponding to Code C7



Electrical Compositions Corresponding to Code C8



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Electrical Compositions Corresponding to Code C10



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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

