Product data sheet

Specification





Head for emergency switching off push button, Harmony XB4, red Ø 30 stop, Ø22 mm trigger and latching key release

ZB4BS934K

Main

Range Of Product	Harmony XB4
Product Or Component Type	Head for emergency switching off push-button
Device Short Name	ZB4
Bezel Material	Chromium plated metal
Mounting Diameter	0.87 in (22 mm)
Sale Per Indivisible Quantity	1
Shape Of Signaling Unit Head	Round
Type Of Operator	trigger action and mechanical latching
Reset	Key release
Operator Profile	Red mushroom Ø 30 mm, unmarked
Type Of Keylock	Special key
Additional Information	4 multichips
Key Withdrawal Position	Center
Head Type	Standard

Complementary

Cad Overall Width	1.18 in (30 mm)
Cad Overall Height	1.18 in (30 mm)
Cad Overall Depth	3.11 in (79 mm)
Net Weight	0.21 lb(US) (0.094 kg)
Resistance To High Pressure Washer	1015.26 psi (7000000 Pa) 131 °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

Environment

Protective Treatment	тн
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)
Electrical Shock Protection Class	Class I IEC 61140

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

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	IK03 conforming to IEC 50102
Standards	EN/IEC 60204-1 EN/IEC 60947-1 UL 508 EN/IEC 60947-5-4 EN/ISO 13850 IEC 60364-5-53 JIS C8201-5-1 GB 14048.5 CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-5-5 JIS C8201-1
Product Certifications	LROS (Lloyds register of shipping) GL UL Listed CSA DNV 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 3389110846263

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.13 in (5.4 cm)
Package 1 Width	3.46 in (8.8 cm)
Package 1 Length	1.34 in (3.4 cm)
Package 1 Weight	3.32 oz (94.0 g)
Unit Type Of Package 2	CAR
Number Of Units In Package 2	1
Package 2 Height	2.13 in (5.4 cm)
Package 2 Width	3.46 in (8.8 cm)
Package 2 Length	1.34 in (3.4 cm)
Package 2 Weight	3.32 oz (94.0 g)

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



Mercury Free



Rohs Exemption Information

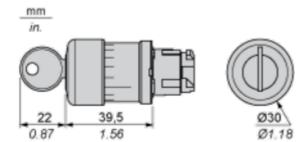
Yes

Certifications & Standards

Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
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: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Dimensions



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

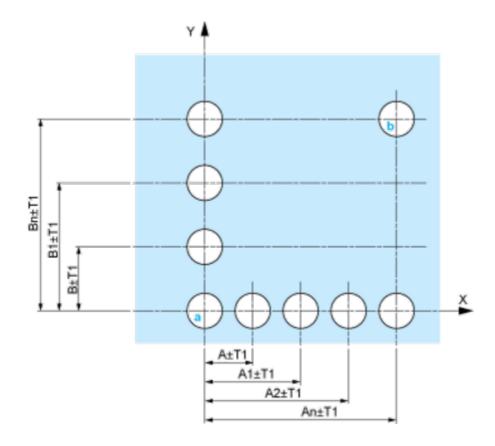
(1)
(2)
(3)
(4)

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

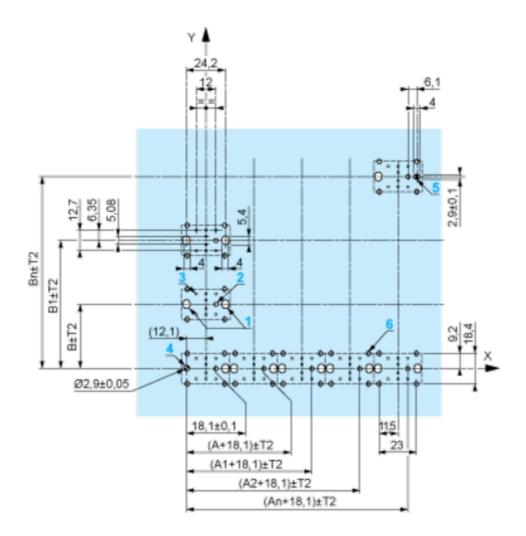
Panel Cut-outs (Viewed from Installer's Side)



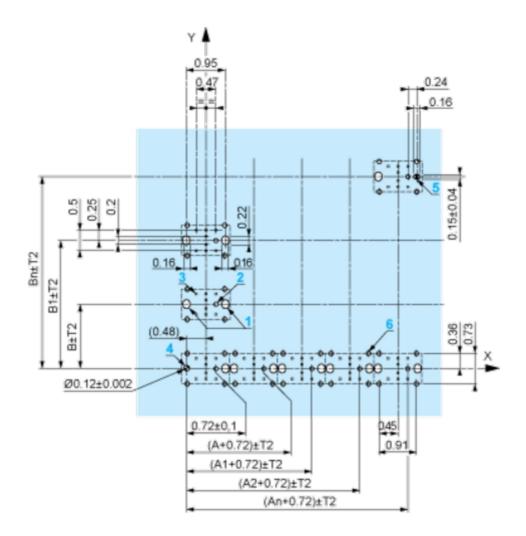
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

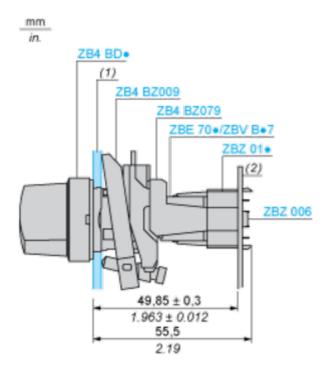
General Tolerances of the Panel and Printed Circuit Board

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.



- (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•

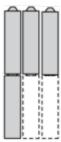
Dimensions An + 18.1 relate to the Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ 01•.

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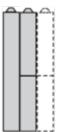
ZB4BS934K

Technical Description

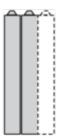
Electrical Composition Corresponding to Code C7



Electrical Compositions Corresponding to Code C8



Electrical Compositions Corresponding to Code C10



Product data sheet

ZB4BS934K

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

