Product datasheet

Specification





red Ø40 Emergency stop,switching off head Ø22 trigger and latching turn release

ZB4BS844

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	22.5 mm	
Sale Per Indivisible Quantity	1	
Shape Of Signaling Unit Head	Round	
Type Of Operator	trigger action and mechanical latching	
Reset	Turn to release	
Operator Profile	Red mushroom Ø 40 mm, unmarked	
Head Type	Standard	

Complementary

Device Presentation	Rasic element	
	C10 for <4 contacts using single and double blocks in front mounting	
	C15 for <1 contacts using single blocks in front mounting	
	C11 for <3 contacts using single blocks in front mounting	
	C8 for <4 contacts using single and double blocks in front mounting	
Electrical Composition Code	C7 for <4 contacts using single blocks in front mounting	
Mechanical Durability	300000 cycles	
Net Weight	0.073 kg	
Cad Overall Depth	57 mm	
Cad Overall Height	40 mm	
Cad Overall Width	40 mm	

Environment

Protective Treatment	тн
Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-4070 °C
Electrical Shock Protection Class	Class I conforming to IEC 61140
Ip Degree Of Protection	IP66 conforming to IEC 60529 IP69 IP69K

Nema Degree Of Protection	NEMA 13	
Noma Bogree Grinotoction	NEMA 4X	
	NEMA 4	
	NEMA 12	
	NEWA 12	
Ik Degree Of Protection	IK06 conforming to IEC 50102	
Standards	UL 508	
	IEC 60947-5-5	
	CSA C22.2 No 14	
	IEC 60947-5-4	
	JIS C8201-5-1	
	IEC 60947-1	
	IEC 60947-5-1	
	IEC 60204-1	
	IEC 60364-5-53	
	GB 14048.5	
	ISO 13850	
	JIS C8201-1	
Product Certifications	DNV	
	BV	
	CSA	
	LROS (Lloyds register of shipping)	
	UL listed	
	GL	
Vibration Resistance	tesistance 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6	
Shock Resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27	
	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27	

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	4.400 cm
Package 1 Width	5.400 cm
Package 1 Length	9.200 cm
Package 1 Weight	75.000 g
Unit Type Of Package 2	S03
Number Of Units In Package 2	100
Package 2 Height	30.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	8.097 kg
Unit Type Of Package 3	P06
Number Of Units In Package 3	800
Package 3 Height	75.000 cm
Package 3 Width	60.000 cm
Package 3 Length	80.000 cm
Package 3 Weight	75.004 kg

Contractual warranty

Warranty 12 months



Green PremiumTM **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-CO₂ 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

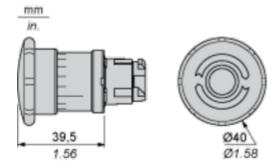
Certifications & Standards

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

ZB4BS844

Dimensions Drawings

Dimensions



ZB4BS844

Mounting and Clearance

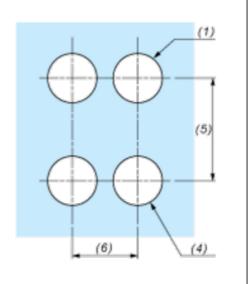
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connectors or on Printed Circuit Board

(1)
(2)

Connection by Screw Clamp Terminals or Plug-in

Connection by Faston Connectors



(1) Diameter on finished panel or support

(3)

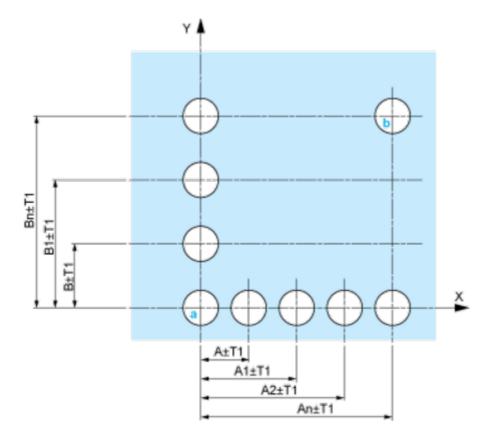
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)

(4)

- (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)

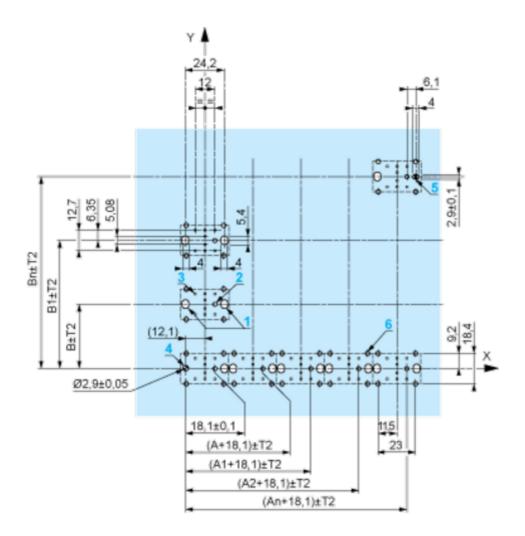


A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

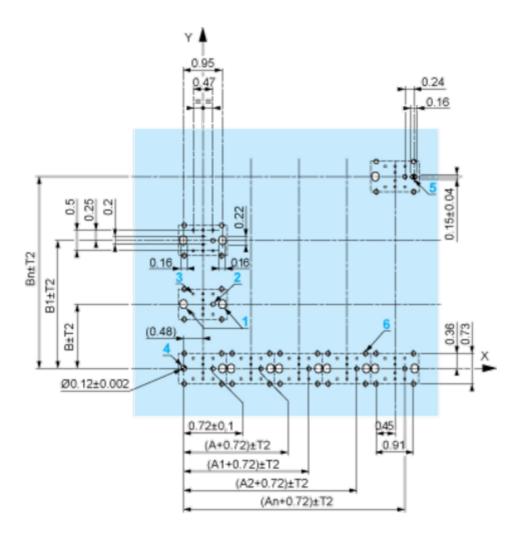
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm

ZB4BS844



A: 30 mm min. B: 40 mm min. Dimensions in in.



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

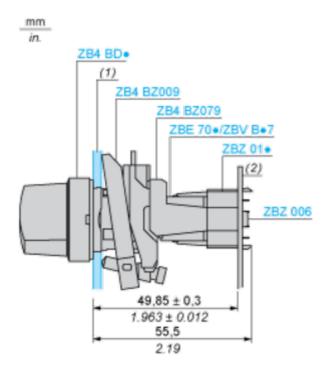
General Tolerances of the Panel and Printed Circuit Board

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•

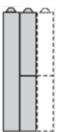
Dimensions An + 18.1 relate to the \emptyset 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ 01•.

Technical Description

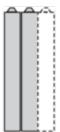
Electrical Composition Corresponding to Code C7



Electrical Compositions Corresponding to Code C8



Electrical Compositions Corresponding to Code C10



Product datasheet

ZB4BS844

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

