

### Product data sheet Characteristics

## **ZB4BS844**

Harmony XB4, Emergency stop head, switching off, metal, red mushroom Ø40, Ø22, trigger latching turn to release



## 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 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

Basic 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			
C7 for <4 contacts using single blocks in front mounting			
300000 cycles			
0.073 kg			
57 mm			
40 mm			
40 mm			

#### Environment

Protective treatment	TH		
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 NEMA 4X NEMA 4 NEMA 12		
IK degree of protection	IK06 conforming to IEC 50102		

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability of these products for specific user applications. This characteristic is not integrated to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Standards	UL 508
	EN/IEC 60947-5-5
	CSA C22.2 No 14
	EN/IEC 60947-5-4
	JIS C8201-5-1
	EN/IEC 60947-1
	EN/IEC 60947-5-1
	EN/IEC 60204-1
	IEC 60364-5-53
	GB 14048.5
	EN/ISO 13850
	JIS C8201-1
Product certifications	DNV
	BV
	CSA
	LROS (Lloyds register of shipping)
	UL listed
	GL
Vibration resistance	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

racking onits	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	76.0 g
Package 1 Height	4.4 cm
Package 1 width	5.4 cm
Package 1 Length	9.2 cm
Unit Type of Package 2	S03
Number of Units in Package 2	100
Package 2 Weight	8.097 kg
Package 2 Height	30.0 cm
Package 2 width	30.0 cm
Package 2 Length	40.0 cm
Unit Type of Package 3	P06
Number of Units in Package 3	800
Package 3 Weight	75.004 kg
Package 3 Height	77.0 cm
Package 3 width	60.0 cm
Package 3 Length	80.0 cm

#### Offer Sustainability

Sustainable offer status	Green Premium product			
REACh Regulation	REACh Declaration			
REACh free of SVHC	Yes			
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEN RoHS			
Toxic heavy metal free	Yes			
Mercury free	Yes			
RoHS exemption information	₫Yes			
China RoHS Regulation	China RoHS Declaration			
Environmental Disclosure	Product Environmental Profile			
Circularity Profile	☑ End Of Life Information			

#### Contractual warranty

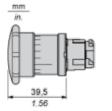
2

Warranty	18 months

# Product data sheet Dimensions Drawings

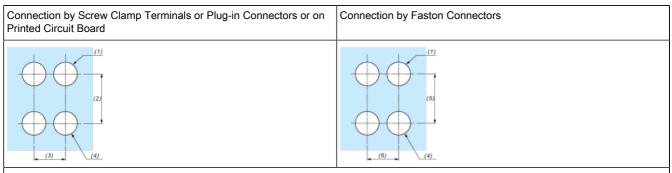
# **ZB4BS844**

#### **Dimensions**





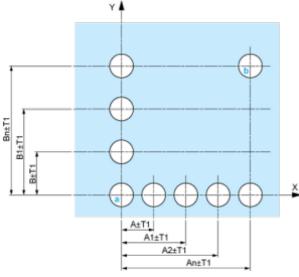
#### Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)



- (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)

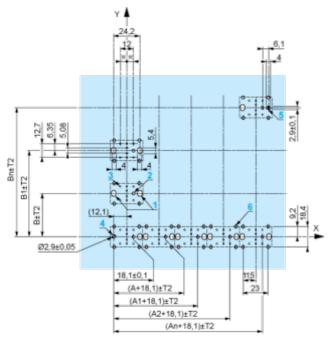


A: 30 mm min. / 1.18 in. min.

B: 40 mm min. / 1.57 in. min.

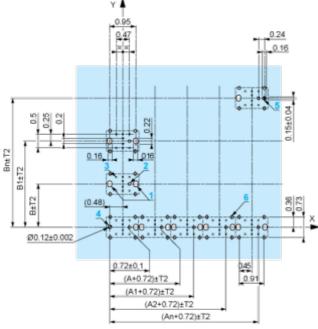
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



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

Dimensions in in.



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

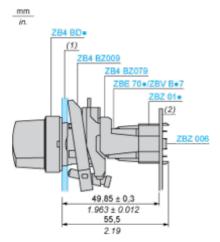
#### General Tolerances of the Panel and Printed Circuit Board

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:
  - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - 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•
- 38 × 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 Technical Description

# **ZB4BS844**

Electrical Composition Corresponding to Code C7				
Electrical Compositions Corresponding to Code C8				
Electrical Compositions Corresponding to Code C10				
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				