

Harmony, 22mm Push Button, emergency stop head, trigger and latching turn release, red, 40 mm mushroom, unmarked

ZB4BS844

Product availability: Stock - Normally stocked in distribution facility

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	0.9 in (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

CAD overall width	1.6 in (40 mm)	
CAD overall height	1.6 in (40 mm)	
CAD overall depth	2.2 in (57 mm)	
Net Weight	0.161 lb(US) (0.073 kg)	
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	-40158 °F (-4070 °C)	
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)	
Electrical shock protection class	Class I conforming to IEC 61140	
IP degree of protection	IP66 IEC 60529 IP69 IP69K	

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

NEMA degree of protection	NEMA 13				
uog. oo o. p. otootio	NEMA 4X				
	NEMA 4 NEMA 12				
III de une e ef construction					
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				
	UL Listed				
	LROS (Lloyds register of shipping)				
	BV				
	CSA				
Vibration resistance	5 gn (f= 2500 Hz) conforming to 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	3389110888867
Returnability	Yes
Country of origin	CZ

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	1.73 in (4.400 cm)	
Package 1 Width	2.13 in (5.400 cm)	
Package 1 Length	3.62 in (9.200 cm)	
Package 1 Weight	2.646 oz (75.000 g)	
Unit Type of Package 2	S03	
Number of Units in Package 2	100	
Package 2 Height	11.81 in (30.000 cm)	
Package 2 Width	11.81 in (30.000 cm)	
Package 2 Length	15.75 in (40.000 cm)	
Package 2 Weight	17.593 lb(US) (7.980 kg)	
Unit Type of Package 3	P06	
Number of Units in Package 3	800	
Package 3 Height	29.53 in (75.000 cm)	
Package 3 Width	23.62 in (60.000 cm)	

Package 3 Length	31.50 in (80.000 cm)
Package 3 Weight	165.356 lb(US) (75.004 kg)

Contractual warranty

Warranty 18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

∇ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

Use Better

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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

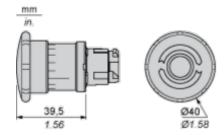
Use Again

○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

ZB4BS844

Dimensions Drawings

Dimensions

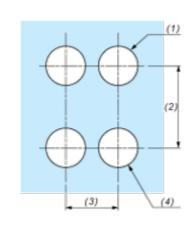


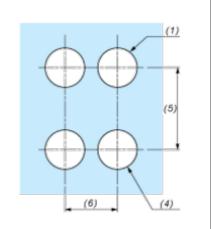
Mounting and Clearance

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

Connection by Faston Connectors

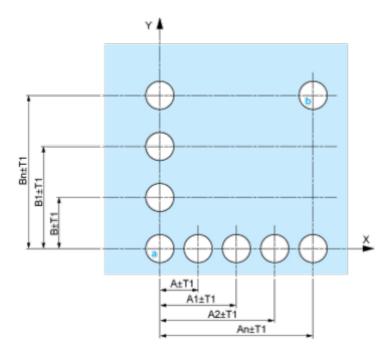




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

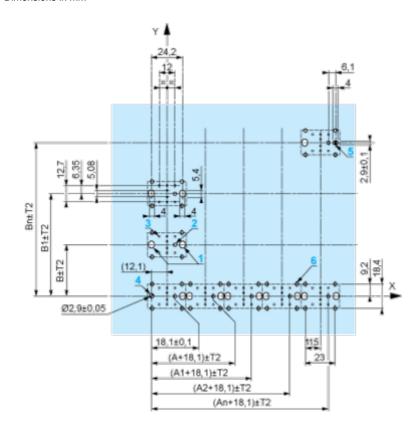
Panel Cut-outs (Viewed from Installer's Side)



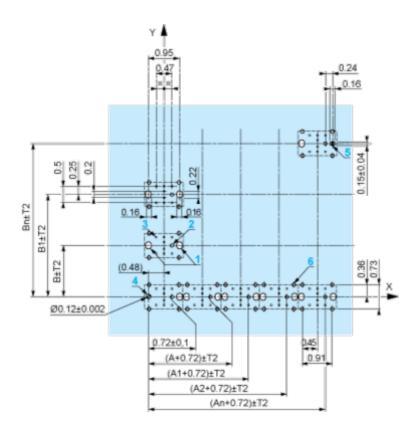
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

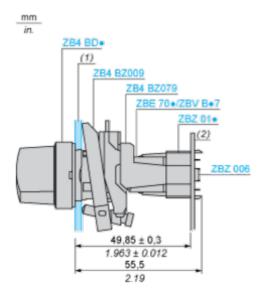
General Tolerances of the Panel and Printed Circuit Board

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**.



- (1) Panel
- (2) Printed circuit board

Mounting of Adapter (Socket) ZBZ 01•

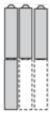
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- $_{ullet}$ 4 1 hole Ø 2.9 mm \pm 0.05 / 0.11 in. \pm 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole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

ZB4BS844

Technical Description

Electrical Composition Corresponding to Code C7



ZB4BS844

Electrical Compositions Corresponding to Code C8



ZB4BS844

Electrical Compositions Corresponding to Code C10



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

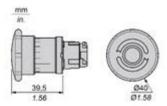


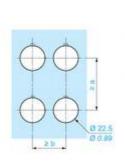
Possible location



Technical Illustration

Dimensions

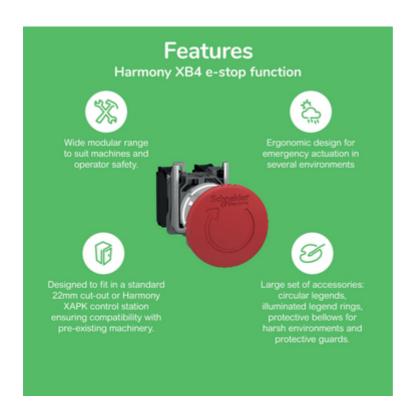




		a (mm)	a (in.)	b (mm)	b (in.)
ZBE	ZBV	40	1.57	30	1.18
ZBE3	ZBV••••3	45	1.77	32	1.26
ZBE4	ZBV••••4	40	1.57	30	1.18
ZBE5	ZBV		1.97	30	1.18
ZBE *****9	ZBV••••9		1.57	30	1.18
E)	788V1	40	1.57	30	1.18

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

Technical Benefits Harmony XB4 e-stop function



Fit for all machine sizes and environments:

- Small machines > 30 mm
- Standard machines > 40 mm
 Use of gloves > 60 mm

18

Designed as per international standards for high performance.

Image of product / Alternate images

Alternative











