ZB4BS934

red Ø30 Emergency stop, switching off head Ø22 trigger and latching key release





Main

Harmony XB4
Head for emergency switching off push-button
ZB4
Chromium plated metal
22 mm
1
Round
Trigger action and mechanical latching
Key release
Red mushroom Ø 30 mm, unmarked
Ronis 455
Center
Standard

Complementary

Device presentation	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	
Electrical composition code	C7 for <4 contacts using single blocks in front mounting	
Mechanical durability	300000 cycles	
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m	
Net weight	0.094 kg	
CAD overall depth	79 mm	
CAD overall height	30 mm	
CAD overall width	30 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 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	UL 508
	EN/ISO 13850
	EN/IEC 60947-5-4
	EN/IEC 60947-1
	EN/IEC 60947-5-5
	JIS C8201-5-1
	EN/IEC 60204-1 IEC 60364-5-53
	GB 14048.5
	EN/IEC 60947-5-1
	CSA C22.2 No 14
	JIS C8201-1
Product certifications	LROS (Lloyds register of shipping)
	CSA
	BV UL listed
	RINA
	DNV
	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	
Package 1 Weight	0.094 kg
Package 1 Height	0.880 dm
Package 1 width	0.340 dm
Package 1 Length	0.540 dm
Offer Sustainability	
Offer Sustainability Sustainable offer status	Green Premium product
·	Green Premium product REACh Declaration
Sustainable offer status	· · · · · · · · · · · · · · · · · · ·

REACh Regulation	REACh Declaration				REACh Declaration		
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EVEU RoHS						
Mercury free	Yes						
RoHS exemption information	₽¥Yes						
China RoHS Regulation	China RoHS Declaration						
Environmental Disclosure	Product Environmental Profile						
Circularity Profile	End Of Life Information						

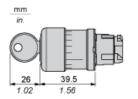
Contractual warranty

Contractaar W	varianty	
Warranty	18 months	

Product data sheet Dimensions Drawings

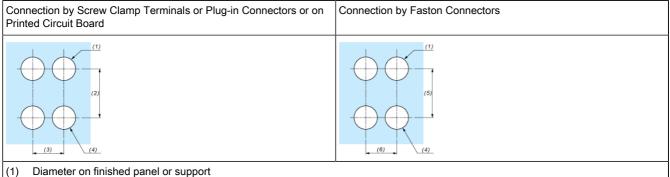
ZB4BS934

Dimensions





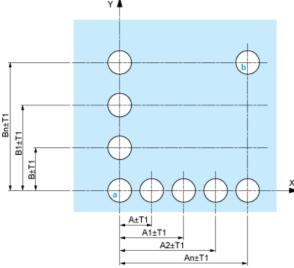
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)



- 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- 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

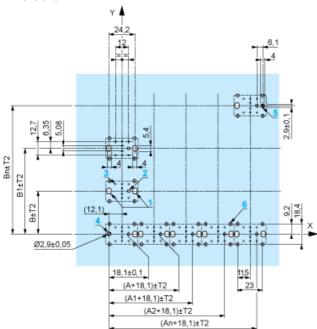
Panel Cut-outs (Viewed from Installer's Side)



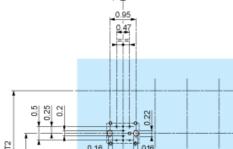
- 30 mm min. / 1.18 in. min.
- B: 40 mm min. / 1.57 in. min.

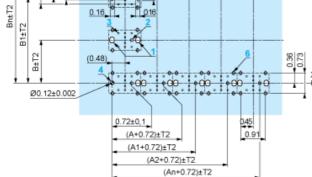
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

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.

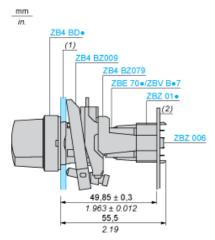
Installation Precautions

- 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).

0.16

- 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:
 - o 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 \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•.

ZB4BS934

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

<u> </u>					
Sin	ıal	e	CO	nta	act



Double contact



Light block



Possible location

