

Product data sheet Characteristics

ZB5AW37 clear flush illuminated pushbutton head Ø22 spring return for BA9s bulb



Local distributor code: 237217828 EAN Code: 3389110137071

Main

Iviali					
Range of product	Harmony XB5				
Product or component type	Head for illuminated push-button				
Device short name	ZB5				
Product compatibility	BA 9s				
Bezel material	Dark grey plastic				
Mounting diameter	22 mm				
Sale per indivisible quantity	1				
Head type	Standard				
Shape of signaling unit head	Round				
Type of operator	Spring return				
Operator profile	Clear flush, unmarked				
Operator additional in- formation	With plain lens				

Complementary

Device presentation	M7 for <6 contacts using single blocks in front mounting with BA 9s M8 for <6 contacts using single and double blocks in front mounting with BA 9s M9 for <2 contacts using single blocks in front mounting with BA 9s and trans- former MF2 for <2 contacts using single blocks in front mounting with BA 9s Basic sub-assemblies				
Electrical composition code					
Marking	Unmarked				
Cap/operator or lens colour	Clear				
Station name	XALD 15 cut-outs XALK 25 cut-outs				
Group of product	Flush push BA9s				
Main group	Illum push-button				
Mechanical durability	10000000 cycles				
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m				
Net weight	0.018 kg				
CAD overall depth	32 mm				
CAD overall height	29 mm				
CAD overall width	29 mm				

Environment

Protective treatment	TC				
Ambient air temperature for storage	-4070 °C				
Ambient air temperature for operation	-4055 °C				
Overvoltage category	Class II conforming to IEC 60536				
IP degree of protection	IP66 conforming to IEC 60529				
	IP67				
	IP69				
	IP69K				
NEMA degree of protection	NEMA 13				
	NEMA 4X				
IK degree of protection	IK05 conforming to IEC 62262				
Standards	IEC 60947-1				
	CSA C22.2 No 14				
	IEC 60947-5-4				
	JIS C8201-5-1				
	IEC 60947-5-1				
	GB 14048.5				
	UL 508				
	JIS C8201-1				
Product certifications	GL[RETURN]BV[RETURN]LROS (Lloyds register of shipping)[RETURN]UL				
	listed[RETURN]DNV[RETURN]CSA				
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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.500 cm
Package 1 Width	4.700 cm
Package 1 Length	5.300 cm
Package 1 Weight	17.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	50
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	1.097 kg

Offer Sustainability

Green Premium product				
Pro-active compliance (Product out of EU RoHS legal scope)				
Yes				
China RoHS Declaration				
₽ Yes				
Product Environmental Profile				
End Of Life Information				

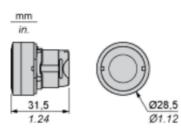
Contractual warranty

Warranty

18 months

Product data sheet Dimensions Drawings ZB5AW37

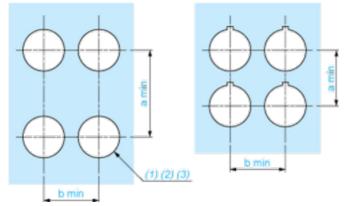
Dimensions



ZB5AW37

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

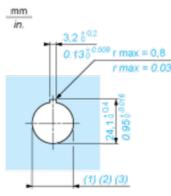
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended (Ø22.3 $_0$ ^{+0.4}) / Ø0.89 in. recommended (Ø0.88 in. $_0$ ^{+0.016})

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

Detail of Lug Recess



(1) Diameter on finished panel or support

(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.

(3) Ø22.5 mm recommended (Ø22.3 $_0$ ^{+0.4}) / Ø0.89 in. recommended (Ø0.88 in. $_0$ ^{+0.016})

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

Life Is On Schneider

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 ZB5AZ009: ± 2°30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB5AZ079 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 (ZB5AD•, ZB5AJ•, ZB5AG•).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.

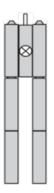


Mounting of Adapter (Socket) ZBZ01•

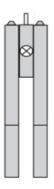
- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole Ø 2.4 mm \pm 0.05 / 0.09 in. \pm 0.002 for centring adapter ZBZ01•
- 38 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.

Electrical Composition Corresponding to Codes M1 and M7



Electrical Composition Corresponding to Codes M2 and M8



Electrical Composition Corresponding to Code M9



Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend



Single contact

Double contact

Light block

Possible location