Product datasheet Characteristics

ZB5AV01

white pilot light head Ø22 plain lens for BA9s bulb

Price* : 2.86 GBP



Range of product	Harmony XB5
Product or component type	Head for pilot light
Product compatibility	BA 9s
Device short name	ZB5
Bezel material	Plastic
Mounting diameter	22 mm
Head type	Standard
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Cap/Operator or lens colour	White
Operator additional information	With plain lens

Complementary

Main		
Range of product	Harmony XB5	
Product or component type	Head for pilot light	
Product compatibility	BA 9s	
Device short name	ZB5	 :
Bezel material	Plastic	
Mounting diameter	22 mm	
Head type	Standard	
Sale per indivisible quantity	1	
Shape of signaling unit head	Round	
Cap/Operator or lens colour	White	:
Operator additional information	With plain lens	
Complementary		:
CAD overall width	29 mm	:
CAD overall height	29 mm	:
CAD overall depth	31 mm	<u>:</u>
Product weight	0.018 kg	
Main group	Pilot light	:
Group of product	Lens fitted BA9s	
Station name	XALD 15 cut-outs XALK 25 cut-outs	
Cap/Operator or lens colour	White	
Electrical composition code	P3 in front mounting with BA 9s P4 in front mounting with BA 9s and transformer PF2 in front mounting with BA 9s	
Compatibility code	ZB5	
Environment		
Protective treatment	TH	

Environment

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Protective treatment	тн	qocnu
Ambient air temperature for storage	-4070 °C	This
Ambient air temperature for operation	-4070 °C	ner:
Overvoltage category	Class II IEC 60536	sclair

IP degree of protection	IP69 conforming to IEC 60529 IP69K conforming to ISO 20653 IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
NEMA degree of protection	NEMA 13 NEMA 4X
Resistance to high pressure washer	7000000 Pa at 55 °C,distance: 0.1 m
IK degree of protection	IK05 conforming to IEC 50102
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 JIS C 4520 UL 508 CSA C22.2 No 14
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

Contractual warranty

Warranty period 18 months

Product datasheet Dimensions Drawings

ZB5AV01

Dimensions

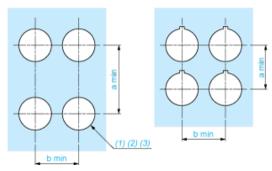




ZB5AV01

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

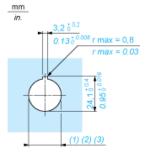
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

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

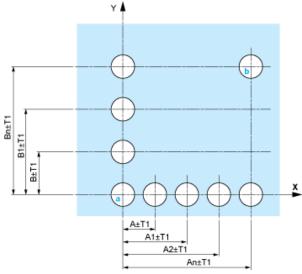
Detail of Lug Recess



- Diameter on finished panel or support
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. \emptyset 22.5 mm recommended (\emptyset 22.3 $_0$ $^{+0.4}$) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0$ $^{+0.016}$)
- (1) (2) (3)

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

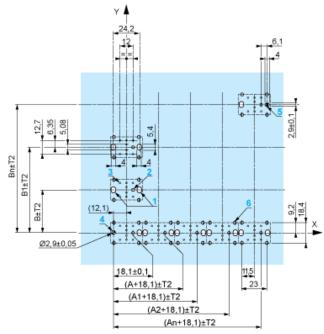
Panel Cut-outs (Viewed from Installer's Side)



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

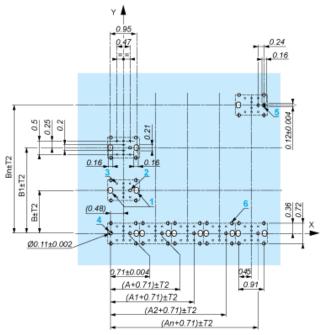
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



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

Dimensions in in.



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

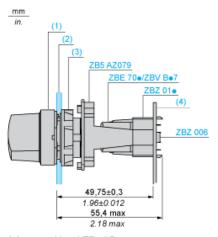
General Tolerances of the Panel and Printed Circuit Board

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 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:
 - o every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
 - o 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.



- (1) (2) (2) Head ZB5AD•
- Panel
- Nut
- Printed circuit board

Mounting of Adapter (Socket) ZBZ01•

- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ01•
- 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 ZBZ01•

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

Product datasheet Technical Description

ZB5AV01

Electrical Composition Corresponding to Codes P1, P3, PF1, PR1 and PF2

Light block



Product datasheet Technical Description

ZB5AV01

Electrical Composition Corresponding to Code P4



Product datasheet Technical Description

ZB5AV01

Legend

Single contact



Double contact



Light block



Possible location

