# Product data sheet

Specifications





# Head for pilot light, Harmony XB5, green, 22mm, with grooved lens, universal LED

ZB5AV033S

Product availability: Non-Stock - Not normally stocked in distribution facility

Important message: A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks

Price\*: 7.60 USD

#### Main

Range Of Product	Harmony XB5	
Product Or Component Type	Head for pilot light	
Product Compatibility	Universal LED	
Device Short Name	ZB5	
Bezel Material	Dark grey plastic	
Mounting Diameter	0.87 in (22 mm)	
Head Type	Standard	
Sale Per Indivisible Quantity	1	
Shape Of Signaling Unit Head	Round	
Cap/Operator Or Lens Colour	Green	
Operator Additional Information	With grooved lens	

#### Complementary

Device Presentation	Basic element	
	PR1 rear mounting integral LED	
	PF1 front mounting integral LED	
	P2 front mounting integral LED and transformer	
Electrical Composition Code	P1 front mounting integral LED	
	XALK 25 cut-outs	
Station Name	XALD 15 cut-outs	
Net Weight	0.04 lb(US) (0.017 kg)	
Cad Overall Depth	1.22 in (31 mm)	
Cad Overall Height	1.14 in (29 mm)	
Cad Overall Width	1.14 in (29 mm)	

#### **Environment**

Protective Treatment	TH
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)
Overvoltage Category	Class II IEC 60536

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

Ip Degree Of Protection	IP66 IEC 60529	
	IP67 IEC 60529	
	IP69 IEC 60529	
	IP69K ISO 20653	
Nema Degree Of Protection	NEMA 13	
	NEMA 4X	
Resistance To High Pressure Washer	1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m	
Ik Degree Of Protection	IK05 conforming to IEC 50102	
Standards	UL 508	
	EN/IEC 60947-5-1	
	CSA C22.2 No 14	
	EN/IEC 60947-5-4	
	EN/IEC 60947-5-5	
	JIS C8201-5-1	
	EN/IEC 60947-1	
	JIS C8201-1	
Environmental Characteristic	High ambient lighting environment	
Vibration Resistance 5 gn 2500 Hz)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	US10CS222467
Discount Schedule	0CS2
Gtin	3389110291018
Returnability	No
Country Of Origin	US

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.73 in (4.4 cm)
Package 1 Width	1.34 in (3.4 cm)
Package 1 Length	2.09 in (5.3 cm)
Package 1 Weight	0.56 oz (16.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	100
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	4.16 lb(US) (1.889 kg)

## **Contractual warranty**

Warranty 18 months



**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >



RoHS/REACh

#### Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>Ø</b>	Toxic Heavy Metal Free	
<b>⊘</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

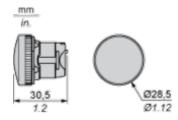
### **Certifications & Standards**

Reach Regulation	REACh Declaration		
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration		
China Rohs Regulation	China RoHS declaration		

## **ZB5AV033S**

**Dimensions Drawings** 

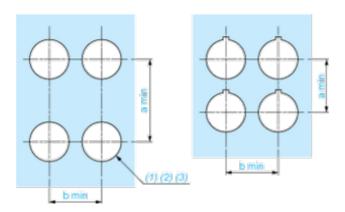
#### **Dimensions**



#### Mounting and Clearance

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

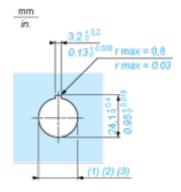
#### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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.  $_0^{+0.016}$ )

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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

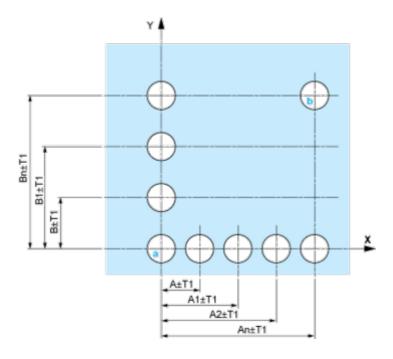
#### **Detail of Lug Recess**



- (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

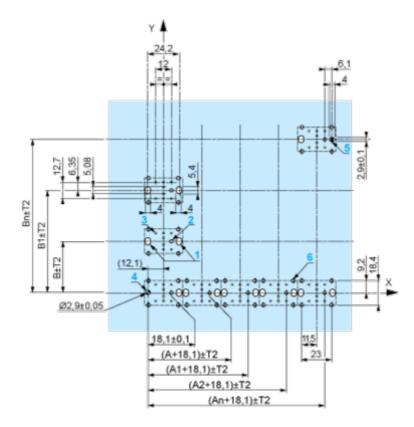
#### Panel Cut-outs (Viewed from Installer's Side)



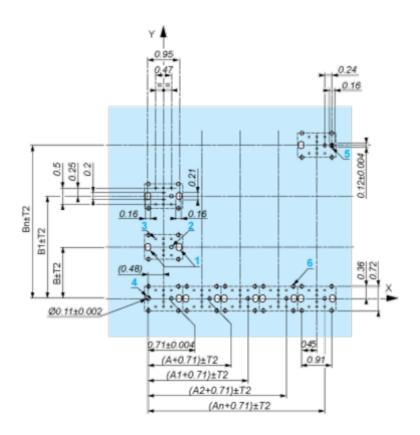
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

#### 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.

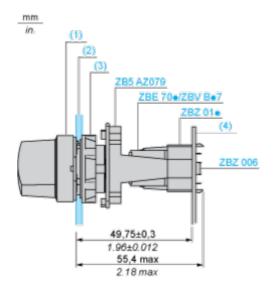
#### General Tolerances of the Panel and Printed Circuit Board

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:
  - $_{\circ}$  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  ${\bf a}$  and  ${\bf b}$  are diagonally opposed and must align with those marked  ${\bf 4}$  and  ${\bf 5}$ .



#### Product data sheet

#### **ZB5AV033S**

- (1) Head ZB5AD•
- (2) Panel
- (2) Nut
- (4) 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
- $_{ullet}$  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 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 data sheet**

## **ZB5AV033S**

**Technical Description** 

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

Light block



#### **Electrical Composition Corresponding to Codes M6 and P2**



#### Legend

Single contact



Double contact



Light block



Possible location

