Specifications





() Discontinued

Head for illuminated push button, Harmony XB5, plastic, red flush, 22mm, universal LED, spring return, illuminated ring

ZB5AW943

() Discontinued on: Jul 5, 2023

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

Main

Range Of Product	Harmony XB5	
Product Or Component Type	lead for illuminated push-button	
Device Short Name	ZB5	
Product Compatibility	Universal LED	
Bezel Material	Dark grey plastic	
Mounting Diameter	0.87 in (22 mm)	
Sale Per Indivisible Quantity	1	
Head Type	Standard	
Shape Of Signaling Unit Head	Round	
Type Of Operator	spring return	
Operator Profile	Red flush, unmarked	
Operator Additional Information	With illuminated ring	

Complementary

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Cad Overall Width	1.14 in (29 mm)
Cad Overall Height	1.14 in (29 mm)
Cad Overall Depth	1.18 in (30 mm)
Net Weight	0.04 lb(US) (0.016 kg)
Resistance To High Pressure Washer	1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m
Mechanical Durability	1000000 cycles
Main Group	Illum push-button
Group Of Product	Flush push with ring illum LED
Station Name	XALD 15 cut-outs XALK 25 cut-outs
Cap/Operator Or Lens Colour	Red
Marking	Unmarked

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

Electrical Composition Code	M1 6 single front mounting integral LED M2 6 single and double front mounting integral LED M6 2 single front mounting integral LED and transformer M10 2 single front mounting integral LED MF1 2 single front mounting integral LED
	MR1 2 single rear mounting integral LED
Device Presentation	Basic sub-assemblies

Environment

Protective Treatment	TC
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)
Overvoltage Category	Class II IEC 60536
Ip Degree Of Protection	IP66 IEC 60529 IP67
Nema Degree Of Protection	NEMA 13 NEMA 4X
Ik Degree Of Protection	IK05 conforming to EN 50102
Standards	JIS C8201-5-1 UL 508 EN/IEC 60947-5-4 EN/IEC 60947-1 CSA C22.2 No 14 GB 14048.5 EN/IEC 60947-5-1 JIS C8201-1
Product Certifications	BV CSA DNV GL LROS (Lloyds register of shipping) UL Listed
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	22467-PUSHBUTTONS,22MM(PLASTIC) NEW		
Discount Schedule	CS2		
Gtin	3389110924343		
Returnability	No		
Country Of Origin	FR		

Packing Units

U	
Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.69 in (4.3 cm)
Package 1 Width	1.34 in (3.4 cm)
Package 1 Length	2.05 in (5.2 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 (15.0 cm)
Package 2 Width	11.81 in (30.0 cm)
Package 2 Length	15.75 in (40.0 cm)
Package 2 Weight	4.53 lb(US) (2.055 kg)

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM 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-CO₂ 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 >



Transparency RoHS/REACh

Well-being performance



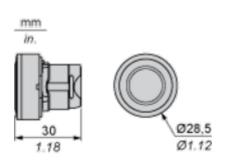
Rohs Exemption Information
Yes

Certifications & Standards

Reach Regulation	REACh Declaration				
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)				
China Rohs Regulation	China RoHS declaration				
Environmental Disclosure	Product Environmental Profile				
Circularity Profile	End of Life Information				
California Proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov				

Dimensions Drawings

Dimensions

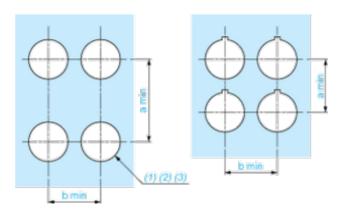


ZB5AW943 Product data sheet

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

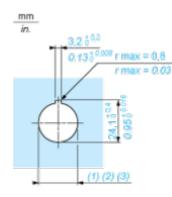


(1) Diameter on finished panel or support

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

5				0
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

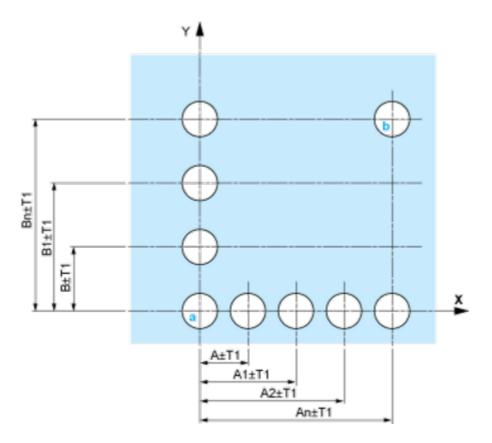


(1) Diameter on finished panel or support

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

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

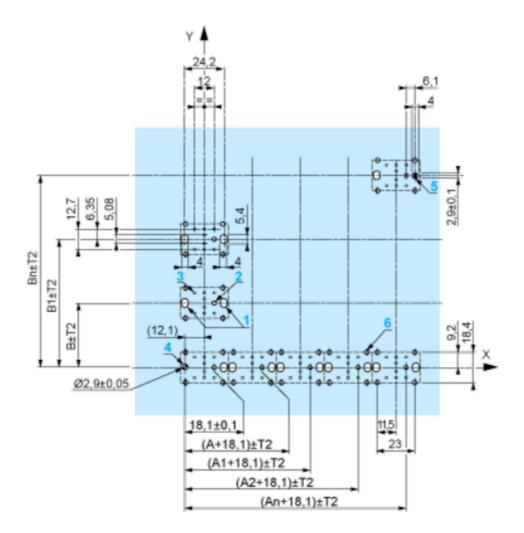
Panel Cut-outs (Viewed from Installer's Side)



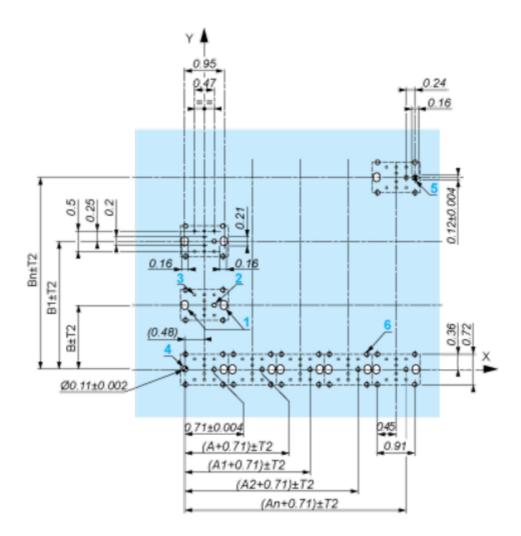
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

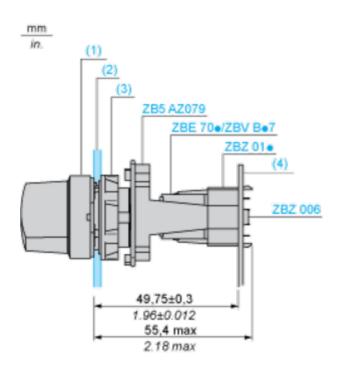
General Tolerances of the Panel and Printed Circuit Board

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

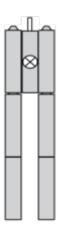
Mounting of Adapter (Socket) ZBZ01•

- 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
- 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•

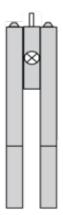
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.

Technical Description

Electrical Composition Corresponding to Codes M1 and M7



Electrical Composition Corresponding to Codes M2 and M8



Electrical Composition Corresponding to Codes M6 and P2



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



Legend

Single contact



Double contact



Light block



Possible location

