Product data sheet

Specification





Head for illuminated selector switch, Harmony XB5, Harmony XALF, grey plastic, green handle, 22mm, universal LED, 2 positions

ZB5AK1233

Product availability: Stock - 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*: 38.45 USD

Main

Range Of Product	Harmony XB5 Harmony XALF			
Product Or Component Type	Head for illuminated selector switch			
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			
Type Of Operator	stay put			
Operator Profile	Green standard handle			
Operator Position Information	2 positions 90°			

Complementary

Cad Overall Width	1.14 in (29 mm)				
Cad Overall Height	1.14 in (29 mm)				
Cad Overall Depth	1.69 in (43 mm)				
Net Weight	0.04 lb(US) (0.016 kg)				
Mechanical Durability	1000000 cycles				
Station Name	XALD 15 cut-outs XALK 25 cut-outs				
Electrical Composition Code	M3 4 single 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 M4 4 single and double front mounting integral LED				
Device Presentation	Basic element				

Environment

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

Protective Treatment	тн				
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 IP69 IP69K				
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	IK04 conforming to IEC 50102				
Standards	UL 508 CSA C22.2 No 14 JIS C8201-5-1 EN/IEC 60947-5-5 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-1 JIS C8201-1				
Product Certifications	UL Listed DNV LROS (Lloyds register of shipping) BV GL CSA				
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	3389110906066			
Returnability	Yes			
Country Of Origin	US			

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.24 in (5.700 cm)
Package 1 Width	2.05 in (5.200 cm)
Package 1 Length	1.30 in (3.300 cm)
Package 1 Weight	0.81 oz (23.000 g)
Unit Type Of Package 2	S03
Number Of Units In Package 2	200
Package 2 Height	11.81 in (30.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)

Package 2 Weight	11.57 lb(US) (5.249 kg)			
Unit Type Of Package 3	P06			
Number Of Units In Package 3	1600			
Package 3 Height	29.53 in (75.000 cm)			
Package 3 Width	23.62 in (60.000 cm)			
Package 3 Length	31.50 in (80.000 cm)			
Package 3 Weight	115.97 lb(US) (52.604 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

②	Reach Free Of Svhc	
9	Toxic Heavy Metal Free	
②	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

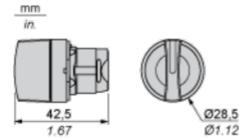
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California Proposition 65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

Product data sheet

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Dimensions Drawings

Dimensions



Mounting and Clearance

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

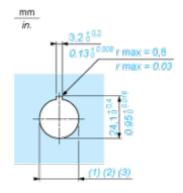
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

				•
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

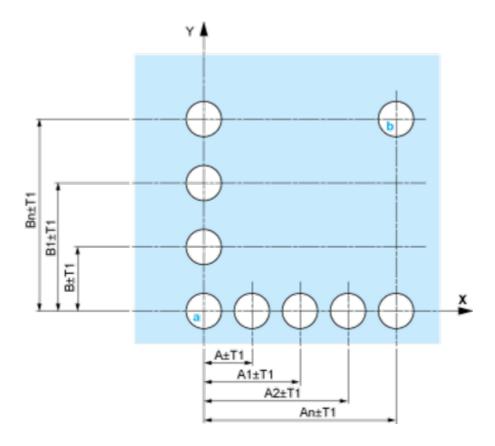
Detail of Lug Recess



- (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

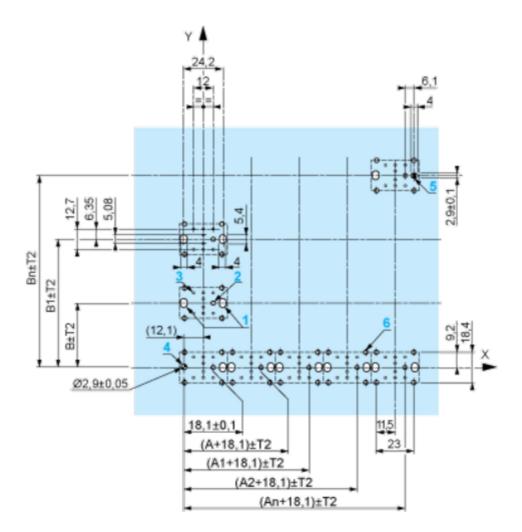
Panel Cut-outs (Viewed from Installer's Side)



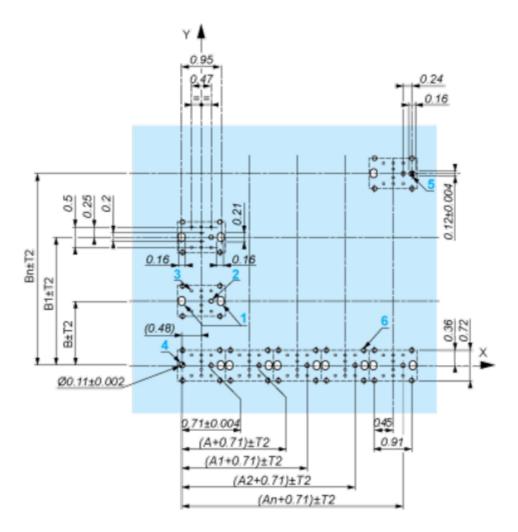
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

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General Tolerances of the Panel and Printed Circuit Board

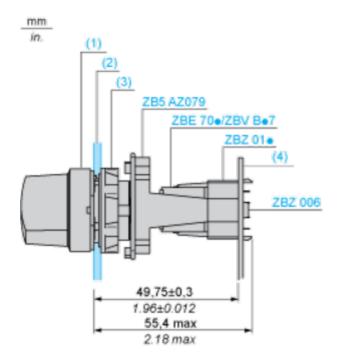
The cumulative tolerance must not exceed 0.3 mm / 0.012 in.: T1 + T2 = 0.3 mm max.

Installation Precautions

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

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- (1) Head ZB5AD•
- (2) Panel
- (2) Nut

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(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 \pm 0.05 / 0.09 in. \pm 0.002 holes for centring adapter ZBZ01•.

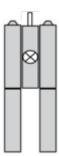
Apr 25, 2024

Product data sheet

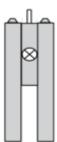
ZB5AK1233

Technical Description

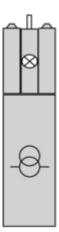
Electrical Composition Corresponding to Code M3



Electrical Composition Corresponding to Code M4



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



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



	Position	Тор		
Push	Osition	Bottom		\triangle
	Location		Left	Right
	State		0	0
Contacts	N/O		open	open
	N/C		closed	closed

Position 45°



		Тор			
Push	Position	Bottom			
	Location		Left	\otimes	Right
	State		1		1
	N/O		closed		closed
Contacts	N/C		open		open