

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

ZB5AK1243

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

### Main

Range of Product	Harmony XB5			
Product or Component Type	Head for illuminated selector switch			
Product Compatibility	Universal LED			
Device short name	ZB5			
Bezel material	Dark grey plastic			
Mounting diameter	0.9 in (22 mm)			
Head type	Standard			
Sale per indivisible quantity	1			
Shape of signaling unit head	Round			
Type of operator	stay put			
Operator profile	Red standard handle			
Operator position information	2 positions 90°			

# Complementary

CAD overall width	1.1 in (29 mm)
CAD overall height	1.1 in (29 mm)
CAD overall depth	1.7 in (43 mm)
Product Weight	0.035 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**

Protective treatment

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

Ambient Air Temperature for Storage	-40158 °F (-4070 °C)				
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)				
Overvoltage category	Class II conforming to 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	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m				
IK degree of protection	IK04 conforming to IEC 50102				
Standards	EN/IEC 60947-5-5 UL 508 EN/IEC 60947-5-4 EN/IEC 60947-1 CSA C22.2 No 14 JIS C8201-5-1 EN/IEC 60947-5-1 JIS C8201-1				
Product Certifications	CSA DNV BV LROS (Lloyds register of shipping) UL Listed				
Vibration resistance	5 gn (f= 2500 Hz) conforming to 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	3389110906073
Returnability	Yes
Country of origin	FR

# **Packing Units**

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.17 in (5.500 cm)
Package 1 Width	2.05 in (5.200 cm)
Package 1 Length	1.30 in (3.300 cm)
Package weight(Lbs)	0.847 oz (24.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	100
Package 2 Height	5.91 in (15.000 cm)
Package 2 Width	11.81 in (30.000 cm)
Package 2 Length	15.75 in (40.000 cm)
Package 2 Weight	5.732 lb(US) (2.600 kg)

# **Contractual warranty**

Warranty

Aug 30, 2025

18 months



Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing "Use Better, Use Longer, Use Again" campaign to extend product lifetimes and recyclability.

#### Environmental Data explained >

How we assess product sustainability >

☑ Environmental footprint	
Carbon footprint (kg CO2 eq, Total Life cycle)	1
Environmental Disclosure	Product Environmental Profile

### **Use Better**

Materials and Substances	
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration
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

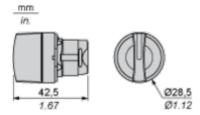
## **Use Again**

○ Repack and remanufacture				
Circularity Profile	End of Life Information			
Take-back	No			

# **ZB5AK1243**

# **Dimensions Drawings**

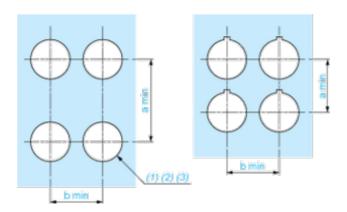
# **Dimensions**



### Mounting and Clearance

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

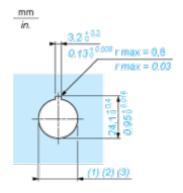
#### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

				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

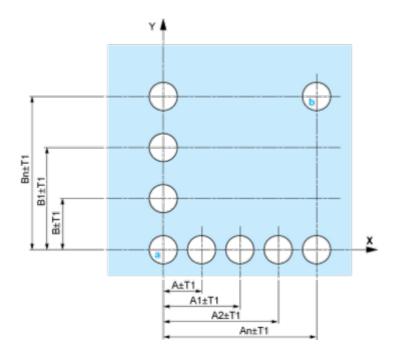
### **Detail of Lug Recess**



- (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) 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

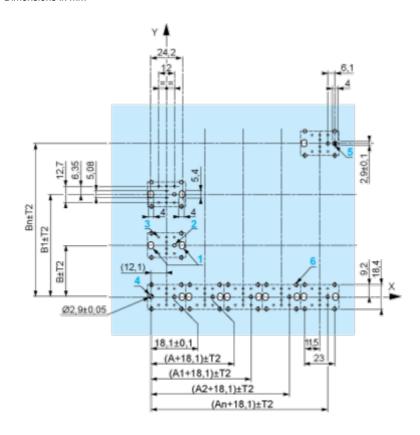
### Panel Cut-outs (Viewed from Installer's Side)



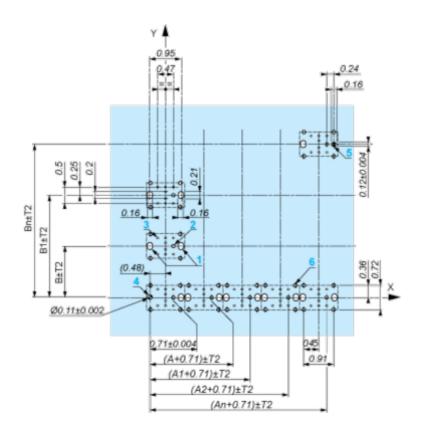
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

### 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.

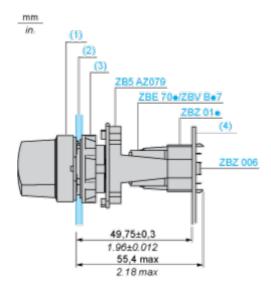
#### General Tolerances of the Panel and Printed Circuit Board

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  ${\bf 5}$ .



## **ZB5AK1243**

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

### Mounting of Adapter (Socket) ZBZ01•

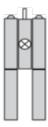
- 1 2 elongated holes for ZBZ006 screw access
- $_{\bullet}$  2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ01  $\!\!^{\bullet}$
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 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•.

# **ZB5AK1243**

**Technical Description** 

**Electrical Composition Corresponding to Code M3** 



# **Electrical Composition Corresponding to Code M4**



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



# ZB5AK1243

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		Bottom		$\triangle$
	Location		Left	Right
	State		0	0
Contacts	N/O		open	open
Contacts	N/C		closed	closed

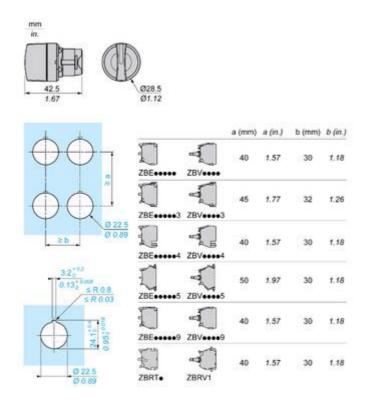
#### Position 45°



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

### **Technical Illustration**

#### **Dimensions**



Offer Marketing Illustration

#### Product benefits / Features

# **Technical Benefits**

## Harmony XB5



Offer Marketing Illustration

#### **Product benefits / Features**



Image of product / Alternate images

**Alternative** 

