

Head for illuminated selector switch, Harmony XB4, metal, white handle, 22mm, universal LED, 2 positions, stay put

ZB4BK1213

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 XB4			
Product or Component Type	Head for illuminated selector switch			
Product Compatibility	Universal LED			
Device short name	ZB4			
Bezel material	Chromium plated metal			
Head type	Standard			
Mounting diameter	0.9 in (22 mm)			
Sale per indivisible quantity	1			
Shape of signaling unit head	Round			
Type of operator	stay put			
Operator profile	White standard handle			
Operator position information	2 positions 90°			

# Complementary

Device presentation	Basic element					
	M10 2 single front mounting integral LED M4 4 single and double front mounting integral LED					
Electrical composition code	M3 4 single front mounting integral LED M6 2 single front mounting integral LED and transformer					
Mechanical durability	1000000 cycles					
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m					
Net Weight	0.079 lb(US) (0.036 kg)					
CAD overall depth	1.7 in (43 mm)					
CAD overall height	1.1 in (29 mm)					
CAD overall width	1.1 in (29 mm)					

### **Environment**

Protective treatment	тн
Ambient Air Temperature for Storage	-40158 °F (-4070 °C)
Ambient Air Temperature for Operation	-40158 °F (-4070 °C)

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

Overvoltage category	Class I conforming to IEC 60536	
IP degree of protection	IP66 IEC 60529	
	IP67	
	IP69	
	IP69K	
NEMA degree of protection	NEMA 13	
	NEMA 4X	
IK degree of protection	IK04 conforming to IEC 50102	
Standards	IEC 60947-5-1	
	JIS C8201-5-1	
	UL 508	
	IEC 60947-5-5	
	IEC 60947-1	
	CSA C22.2 No 14	
	IEC 60947-5-4	
	JIS C8201-1	
Product Certifications	CSA	
	DNV	
	BV	
	LROS (Lloyds register of shipping)	
	UL Listed	
	02 2000	
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	US10CS222468
Discount Schedule	0CS2
GTIN	3389110890426
Returnability	Yes
Country of origin	FR

# **Packing Units**

Unit Type of Package 1	PCE			
Number of Units in Package 1	1			
Package 1 Height	1.38 in (3.500 cm)			
Package 1 Width	2.09 in (5.300 cm)			
Package 1 Length	2.13 in (5.400 cm)			
Package 1 Weight	1.446 oz (41.000 g)			
Unit Type of Package 2	S03			
Number of Units in Package 2	250			
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	24.006 lb(US) (10.889 kg)			
Unit Type of Package 3	P06			
Number of Units in Package 3	2000			
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	213.857 lb(US) (97.004 kg)

# **Contractual warranty**

Warranty 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

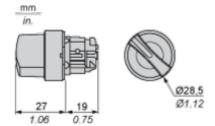
### **Use Again**

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

# **ZB4BK1213**

# **Dimensions Drawings**

# **Dimensions**



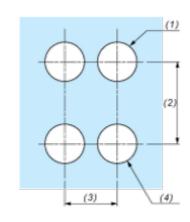
### **ZB4BK1213**

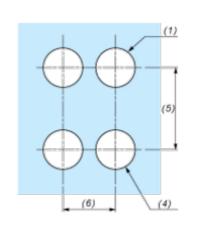
### Mounting and Clearance

# 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

**Connection by Faston Connectors** 

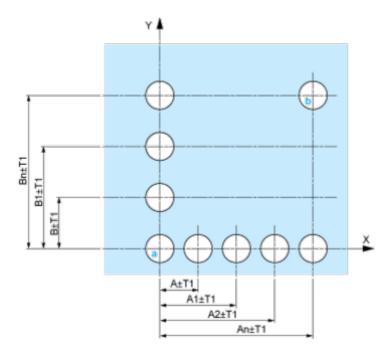




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

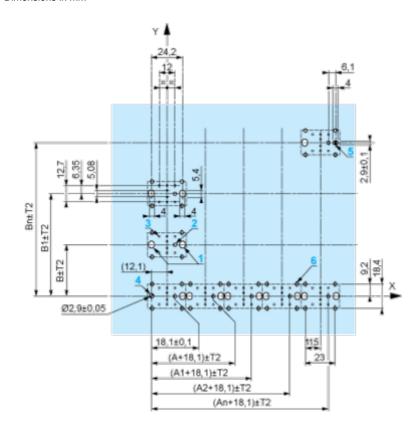
### Panel Cut-outs (Viewed from Installer's Side)



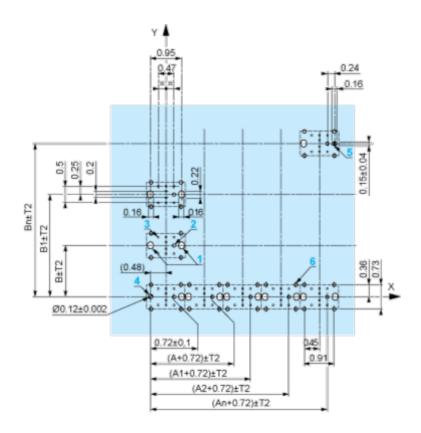
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

### 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

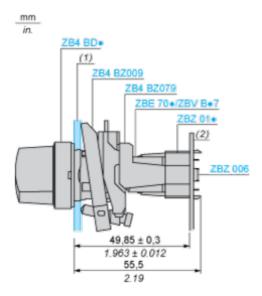
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

### **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 ZB4 BZ009: ± 2 30' (excluding cut-outs marked **a** and **b**).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 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 (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

The fixing centers marked **a** and **b** are diagonally opposed and must align with those marked **4** and **5**.

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- (1) Panel
- (2) Printed circuit board

### Mounting of Adapter (Socket) ZBZ 01•

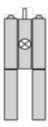
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- $_{ullet}$  4 1 hole Ø 2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated 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 ZBZ 01•

Dimensions An + 18.1 relate to the Ø 2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

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**Technical Description** 

**Electrical Composition Corresponding to Code M3** 



# **Electrical Composition Corresponding to Code M4**



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



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# 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	T GOILGII	Bottom		$\triangle$
	Location		Left	Right
State			0	0
O-mto-sto	N/O		open	open
Contacts	N/C		closed	closed

#### Position 45°

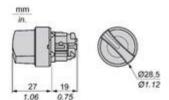


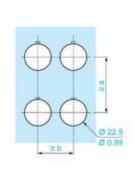
		Тор			
Push	Position	Bottom			
	Location		Left	$\otimes$	Right
	State		1		1
Contacts	N/O		closed		closed
Contacts	N/C		open		open

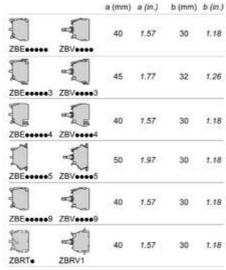
# **ZB4BK1213**

### **Technical Illustration**

#### **Dimensions**







Offer Marketing Illustration

#### Product benefits / Features

# **Technical Benefits**

### Harmony XB4



### **ZB4BK1213**

Offer Marketing Illustration

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



Image of product / Alternate images

### **Alternative**











