

Head for illuminated push button, Harmony XB4, metal, red mushroom 40mm, 22mm, universal LED, spring return

ZB4BW443

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 push-button	
Device short name	ZB4	
Product Compatibility	Universal LED	
Bezel material	Chromium plated metal	
Head type	Standard	
Mounting diameter	0.9 in (22.5 mm)	
Sale per indivisible quantity	1	
Shape of signaling unit head	Round	
Type of operator	spring return	
Operator profile	Red mushroom Ø 40 mm, unmarked	
Cap/operator or lens colour	Red	

# Complementary

Device presentation	Basic sub-assemblies	
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	
Mechanical durability	10000000 cycles	
Resistance to high pressure washer	1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m	
Net Weight	0.112 lb(US) (0.051 kg)	
CAD overall depth	2.09 in (53 mm)	
CAD overall height	1.6 in (40 mm)	
CAD overall width	1.6 in (40 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	IK05 conforming to IEC 62262	
Standards	JIS C8201-5-1	
	IEC 60947-1	
	IEC 60947-5-1	
	IEC 60947-5-5	
	CSA C22.2 No 14	
	UL 508	
	IEC 60947-5-4	
	JIS C8201-1	
Product Certifications	BV	
	CSA	
	DNV	
	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	US10CS222468	
Discount Schedule	0CS2	
GTIN	3389110666496	
Returnability	Yes	
Country of origin	US	

# **Packing Units**

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	2.09 in (5.3 cm)
Package 1 Width	1.73 in (4.4 cm)
Package 1 Length	3.46 in (8.8 cm)
Package 1 Weight	2.2 oz (62.0 g)
Unit Type of Package 2	S02
Number of Units in Package 2	40
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	6.210 lb(US) (2.817 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**

Packaging made with recycled cardboard	Yes
Packaging without single use plastic	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
REACh Regulation	REACh Declaration

#### **Use Again**

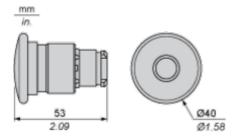
○ Repack and remanufacture	
Circularity Profile	End of Life Information
Take-back	No

# **Product data sheet**

# **ZB4BW443**

# **Dimensions Drawings**

# **Dimensions**

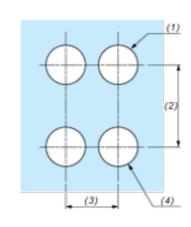


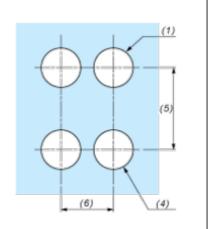
### Mounting and Clearance

# 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

**Connection by Faston Connectors** 

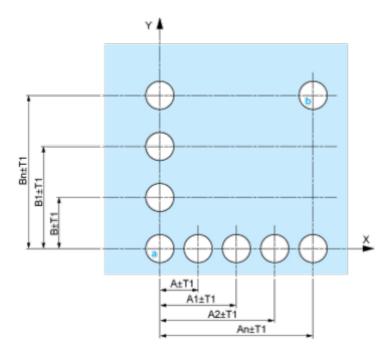




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

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

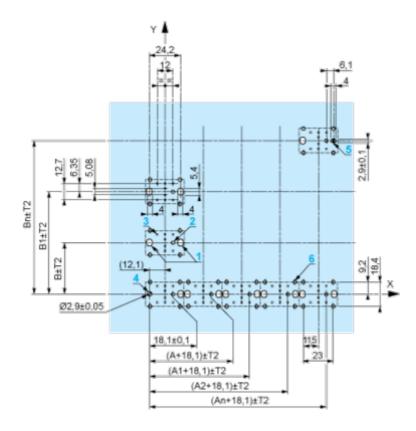
### Panel Cut-outs (Viewed from Installer's Side)



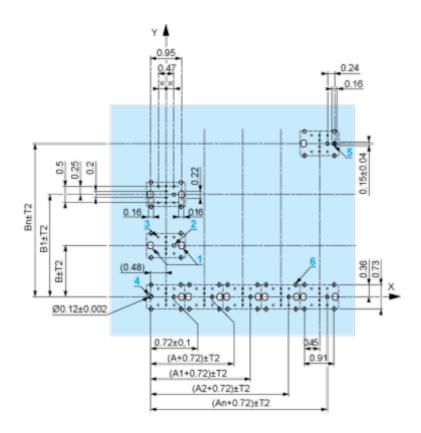
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

### 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.

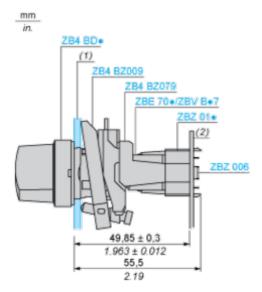
#### **Installation Precautions**

- 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**.

# **Product data sheet**

### **ZB4BW443**



- (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∙

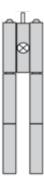
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.

# **Product data sheet**

# **ZB4BW443**

**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

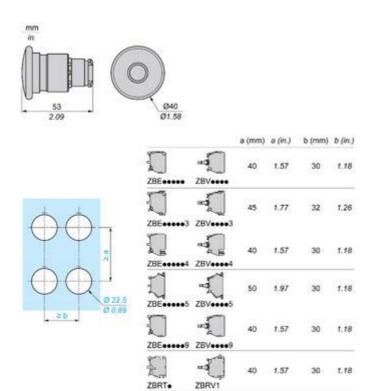


Possible location



### **Technical Illustration**

### **Dimensions**



Offer Marketing Illustration

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



### Offer Marketing Illustration

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

# **Technical Benefits**

### Harmony XB4



### Offer Marketing Illustration

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



Image of product / Alternate images

### **Alternative**











