# **Product datasheet**





Head for illuminated push button, Harmony XB6, red square flush, 16mm, spring return, 12...24V, unmarked

ZB6CW4

### Main

Range Of Product	Harmony XB6	
Product Or Component Type	Head for illuminated push-button	
Product Compatibility	Integral LED	
Device Short Name	ZB6	
Bezel Material	Plastic	
Mounting Diameter	16 mm	
Sale Per Indivisible Quantity	1	
Shape Of Signaling Unit Head	Square	
Type Of Operator	spring return	
Operator Profile	Red flush, unmarked	

# Complementary

	=	
Cad Overall Width	18 mm	
Cad Overall Height	18 mm	
Cad Overall Depth	33 mm	
Net Weight	0.016 kg	

### **Environment**

Protective Treatment	TC
Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-2570 °C
<b>Electrical Shock Protection Class</b>	Class II conforming to IEC 61140
Ip Degree Of Protection	IP65 conforming to IEC 60529
Nema Degree Of Protection	NEMA 13 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 4X conforming to UL 50 NEMA 4 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94 NEMA 13 conforming to CSA C22.2 No 94
Standards	JIS C 852 EN/IEC 60947-1 CSA C22.2 No 14 JIS C8201-5-1 UL 508 EN/IEC 60947-5-1

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EN/IEC 60947-5-5 JIS C8201-1

Product Certifications	GOST UL CSA CCC
Vibration Resistance	+/- 3 mm (f= 2500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6
Shock Resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.0 cm
Package 1 Width	8.0 cm
Package 1 Length	8.0 cm
Package 1 Weight	8.0 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	80
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	1.054 kg

# **Contractual warranty**

Warranty 18 months



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**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

# Well-being performance

<b>⊘</b>	Reach Free Of Svhc	
<b>②</b>	Toxic Heavy Metal Free	
<b>9</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

## **Certifications & Standards**

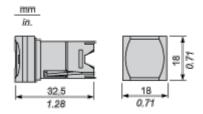
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

# ZB6CW4

# **Dimensions Drawings**

# Square Head for Illuminated or Non Illuminated Pushbutton

### **Dimensions**



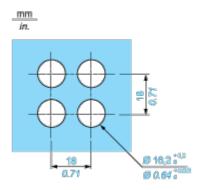
# **Product datasheet**

# ZB6CW4

Mounting and Clearance

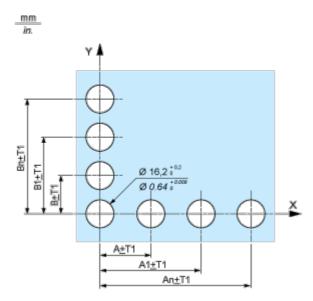
# Panel Cut-out

# For Square or Circular Head

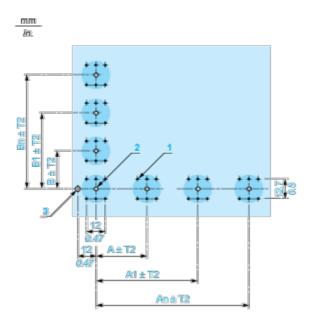


### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



### Printed Circuit Board Drillings (Viewed from Electrical Block Side)



- A 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
- B 18 mm/0.71 in. minimum
- (1) 6 x Ø 1.1 mm / 6 x Ø 0.04 in. holes.
- $(2) \qquad 1~x~\varnothing~2.6^{0}_{-0.2}~mm~/~1~x~\varnothing~0.10^{0}_{-0.008}~in.~hole~for~locating~pin,~only~when~using~socket~adaptor~ZB6Y010.$
- (3)  $1 \times \emptyset \ 3.2^{0}_{-0.2} \ \text{mm} \ / \ 1 \times \emptyset \ 0.13^{0}_{-0.008}$  in. hole for fixing of printed circuit board onto the front panel using body bracket ZB6Y011. This hole must be drilled on the left-hand side, when heads are positioned at the normal angle. Fit a body bracket ZB6Y011 every 72 mm/2.83 in. maximum for cut-outs on 24 mm/0.94 in. centres (rectangular heads) and 54 mm/2.13 in. maximum for cut-outs on 18 mm/0.71 in. centres (square or circular heads).

General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum. Installation precautions:

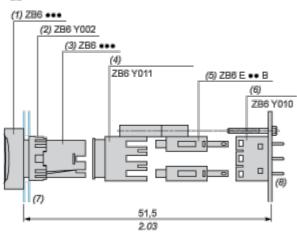
## ZB6CW4

Thickness of printed circuit board: 1.6 mm/0.06 in. minimum.

### **Mounting with Body Bracket**

#### With socket adaptor ZB6Y010

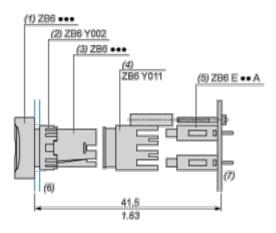




- (1) Head
- (2) Nut
- (3) Body
- (4) Body bracket
- (5) Contact block
- (6) Socket adaptor
- (7) Panel
- (8) Printed circuit

### Direct mounting without socket adaptor ZB6Y010





- (1) Head
- (2) Nut
- (3) Body
- (4) Body bracket
- (5) Contact block
- (6) Panel
- (7) Printed circuit