

Product data sheet

Specifications



Head for non illuminated push button, Harmony XB6, red flush, 16mm, integral LED, spring return, unmarked

ZB6AA4

Main

Range of product	Harmony XB6
Product or component type	Head for non-illuminated push-button
Device short name	ZB6
Bezel material	Plastic
Mounting diameter	16 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Round
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
Product weight	0.016 kg

Environment

Protective treatment	TC
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Electrical shock protection class	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 13 conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94
Standards	UL 508 IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-5-5 IEC 60947-1 JIS C 852 JIS C8201-1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Product certifications	UL CSA GOST CCC
Vibration resistance	+/- 3 mm (f= 2...500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2...500 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	2.300 cm
Package 1 Width	3.000 cm
Package 1 Length	5.000 cm
Package 1 Weight	8.000 g
Unit Type of Package 2	S01
Number of Units in Package 2	60
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	662.000 g

Contractual warranty

Warranty	18 months
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Environmental Data

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	
Total lifecycle Carbon footprint	1
Environmental Disclosure	Product Environmental Profile

Use Better

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

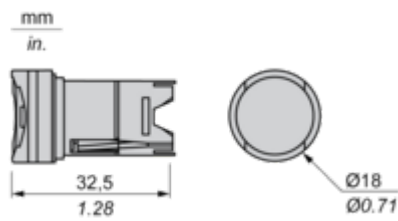
Use Again

Repack and remanufacture	
End of life manual availability	End of Life Information
Take-back	No

Dimensions Drawings

Circular Head for Illuminated or Non Illuminated Pushbutton

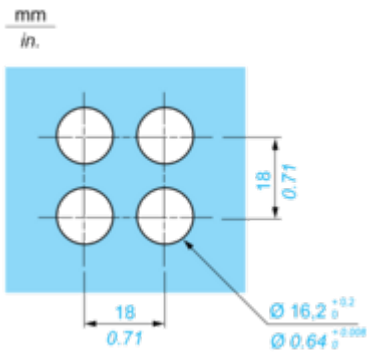
Dimensions



Mounting and Clearance

Panel Cut-out

For Square or Circular Head



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

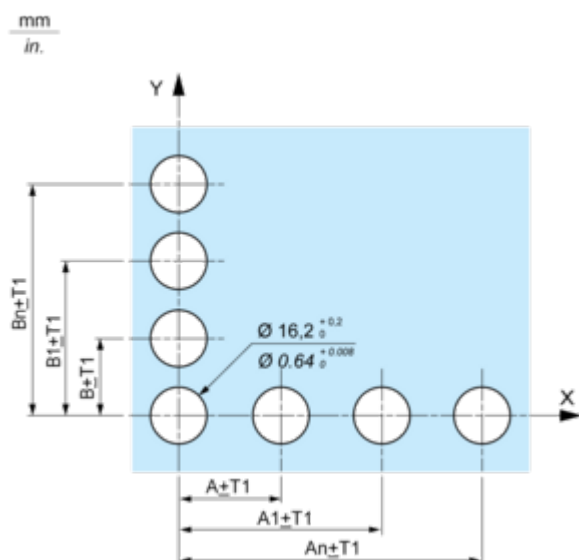


Figure 10.10 illustrates the dimensions for a bolted connection. The diagram shows a rectangular plate with four bolts arranged in a 2x2 grid. The dimensions are given in millimeters (mm) and inches (in.).

- Overall Dimensions:**
 - Total width: $A_n \pm T_2$
 - Total height: $B_n \pm T_2$
- Spacing Dimensions:**
 - Horizontal spacing between bolts: $A \pm T_2$
 - Vertical spacing between bolts: $B \pm T_2$
- Edge and End Distances:**
 - Distance from the left edge to the first bolt: $A_1 \pm T_2$
 - Distance from the top edge to the first bolt: $B_1 \pm T_2$
 - Distance from the bottom edge to the first bolt: $B \pm T_2$
 - Distance from the right edge to the last bolt: 12.7 (0.5 in.)
 - Distance from the bottom edge to the first bolt: 12 (0.47 in.)

B 18 mm/0.71 in. minimum

(2) $1 \times \varnothing 2.6^{+0}_{-0.2}$ mm / $1 \times \varnothing 0.10^{+0}_{-0.008}$ in. hole for locating pin, only when using socket adaptor ZB6Y010.

(3) $1 \times \varnothing 3.2^{+0}_{-0.2}$ mm / $1 \times \varnothing 0.13^{+0}_{-0.008}$ 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).

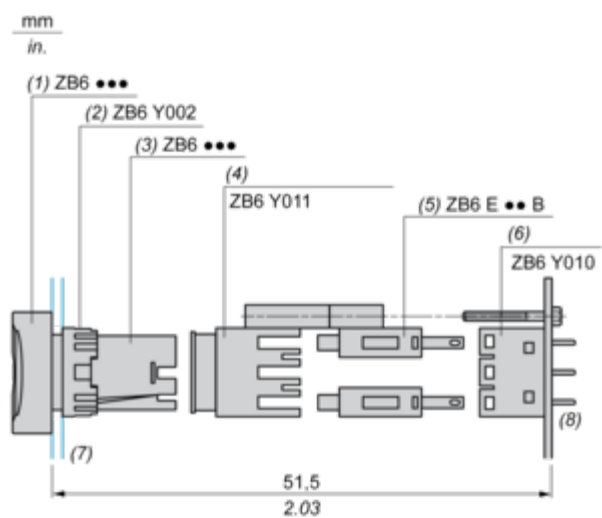
General tolerances of the panel and printed circuit board: T1, T2: $T1 + T2 = 0.3 \text{ mm}/0.01 \text{ in.}$ maximum.

Installation precautions:

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

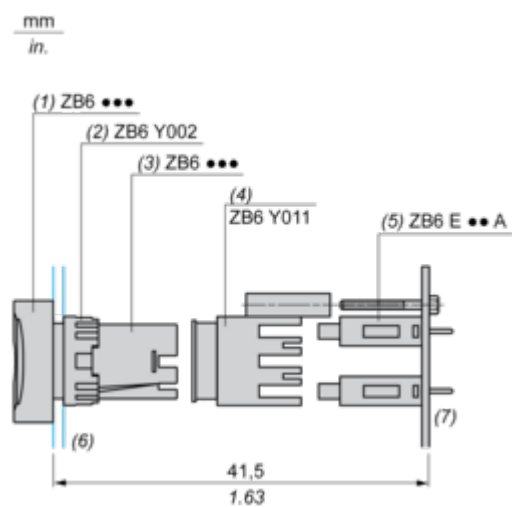
Mounting with Body Bracket

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

Technical Illustration

Dimensions

