Product data sheet

Specifications

Head for illuminated push button, Harmony XB6, blue square flush pushbutton Ø 16 spring return 12...24 V

ZB6CW6

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	Blue 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 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	EN/IEC 60947-5-5 JIS C8201-5-1 CSA C22.2 No 14 EN/IEC 60947-5-1 JIS C 852 EN/IEC 60947-1 UL 508 JIS C8201-1

Product certifications	CCC CSA UL GOST
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	2.032 cm
Package 1 Width	2.032 cm
Package 1 Length	4.064 cm
Package 1 Weight	9.072 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

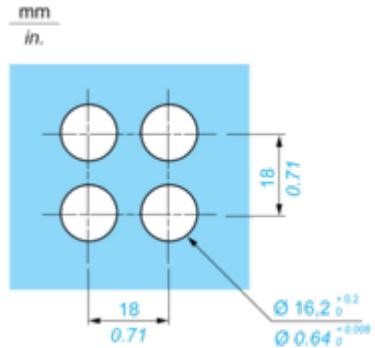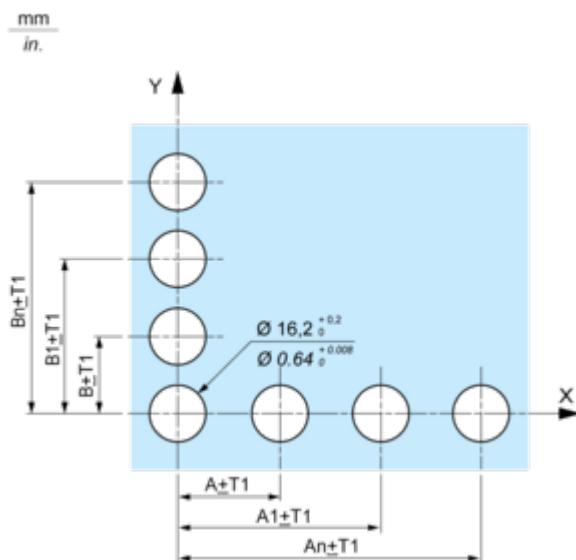**Square Head for Illuminated or Non Illuminated Pushbutton**

Dimensions

mm
in.

32,5
1.28

18
0.71

18
0.71
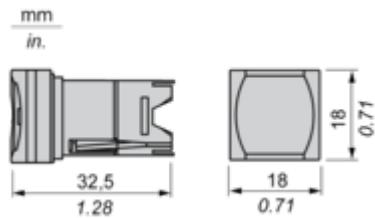
Mounting and Clearance

Panel Cut-out

For Square or Circular Head

$\frac{mm}{in.}$

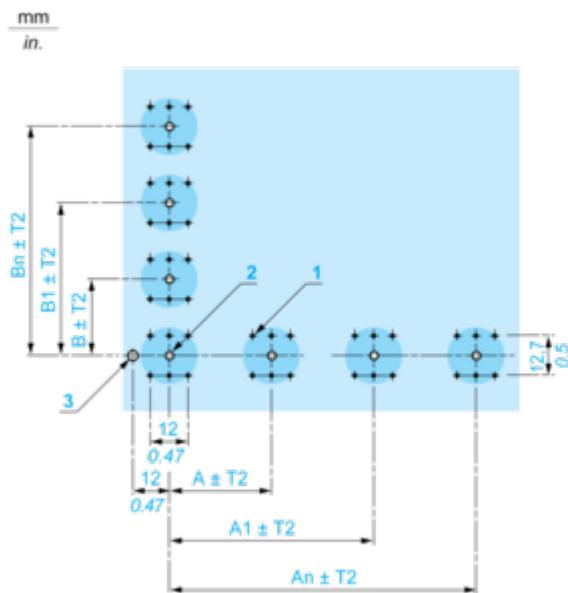Ø 16,2 $^{+0.2}_{0}$
Ø 0.64 $^{+0.008}_{0}$

18
0.71

18
0.71

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) 1 x Ø $2.6^0_{-0.2}$ mm / 1 x Ø $0.10^0_{-0.008}$ in. hole for locating pin, only when using socket adaptor ZB6Y010.

(3) 1 x Ø $3.2^0_{-0.2}$ mm / 1 x Ø $0.13^0_{-0.008}$ 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:
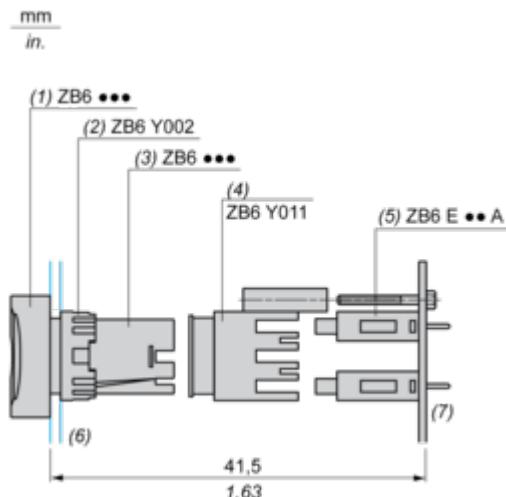Thickness of printed circuit board: 1.6 mm/0.06 in. minimum.

Mounting with Body Bracket
With socket adaptor ZB6Y010

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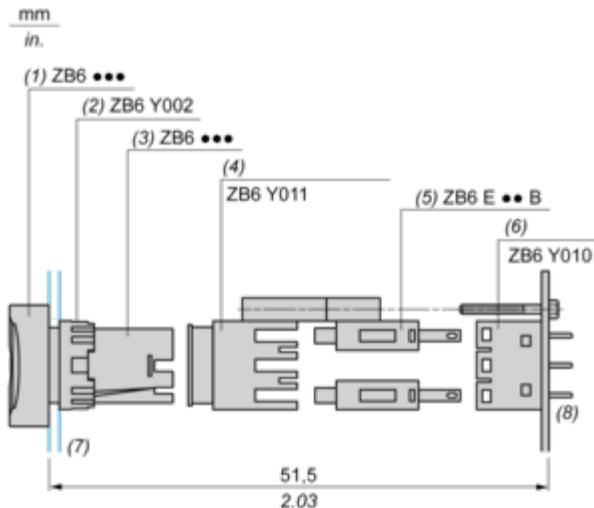
(1) Head
(2) Nut
(3) Body
(4) Body bracket
(5) Contact block
(6) Socket adaptor
(7) Panel
(8) Printed circuit
Direct mounting without socket adaptor ZB6Y010

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

Technical Illustration

Dimensions