Product data sheet

Specifications

Head for illuminated push button, Harmony XB6, green rectangular flush, 16mm, integral LED, spring return, 12…24V, unmarked

ZB6DW3

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	Rectangular
Type of operator	spring return
Operator profile	Green flush, unmarked

Complementary

CAD overall width	24 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	-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	JIS C 852 UL 508 EN/IEC 60947-1

EN/IEC 60947-5-5
CSA C22.2 No 14
EN/IEC 60947-5-1
JIS C8201-5-1
JIS C8201-1

Product certifications	CSA GOST CCC UL
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	Db
Number of Units in Package 1	1
Package 1 Height	2.5 cm
Package 1 Width	4.1 cm
Package 1 Length	13.1 cm
Package 1 Weight	10.0 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	849.0 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
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

Contractual warranty

Warranty	18 months

Rectangular Head for Illuminated or Non Illuminated Pushbutton

Dimensions

mm
in.

18
0.71

32,5
1.28

23,5
0.93
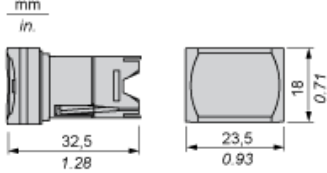
Panel Cut-out

For Rectangular Head

$\dfrac{mm}{in.}$

18 / 0.71

24 / 0.95

Ø 16,2 $^{+0.2}_{0}$ / Ø 0.64 $^{+0.008}_{0}$
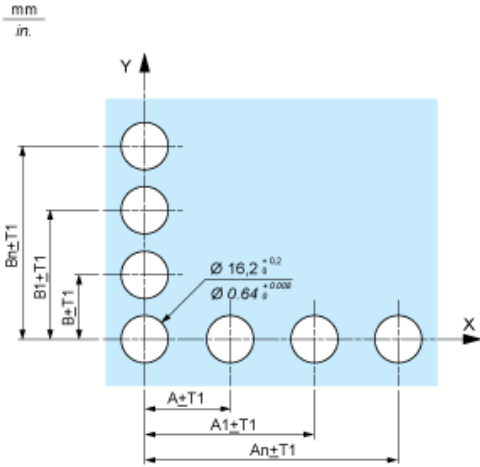
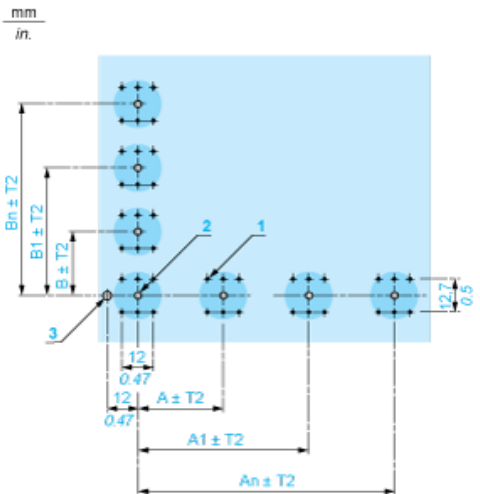**Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection**
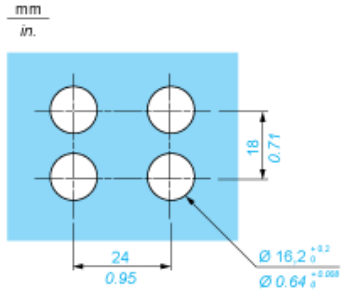
Front Panel Cut-out (Viewed from Installer's Side)

Printed Circuit Board Drillings (Viewed from Electrical Block Side)

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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

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

Installation precautions:

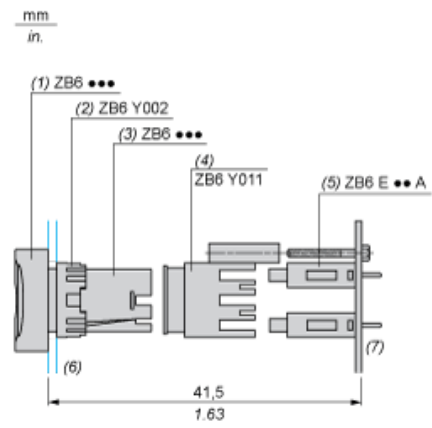Thickness of printed circuit board: 1.6 mm/0.06 in. minimum.

Mounting with Body Bracket
With socket adaptor ZB6Y010
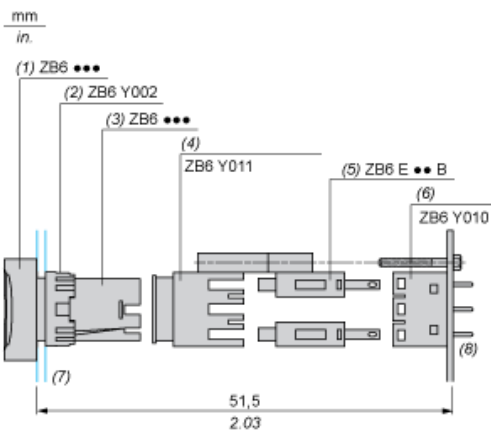
(1)	Head
(2)	Nut
(3)	Body
(4)	Body bracket
(5)	Contact block
(6)	Socket adaptor
(7)	Panel
(8)	Printed circuit

Direct mounting without socket adaptor ZB6Y010

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

Recommended replacement(s)