ZB6AS934

Head for emergency stop push button, Harmony XB6, red mushroom 30mm, 16mm, trigger/latching key to release, unmarked

Green Premium™

Main

Range of product	Harmony XB6
Product or component type	Head for emergency stop 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	Trigger action and mechanical latching
Reset	Key release
Operator profile	Red mushroom Ø 30 mm, unmarked
Type of keylock	Key 200

Complementary

CAD overall width	30 mm
CAD overall height	30 mm
CAD overall depth	70 mm
Net weight	0.05 kg
Mechanical durability	100000 cycles

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	JIS C8201-5-1 UL 508 EN/ISO 13850 JIS C 852 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-5 EN/IEC 60204-1 JIS C8201-1
Product certifications	UL[RETURN]CSA[RETURN]GOST[RETURN]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

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Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.8 cm
Package 1 Width	5.0 cm
Package 1 Length	4.2 cm
Package 1 Weight	44.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	75
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	3.616 kg

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

Contractual warranty

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Warranty	18 months

Head for Mushroom Head Pushbutton, Trigger Action

Dimensions
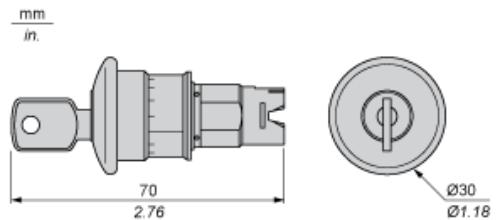
Panel Cut-out

For Square or Circular Head
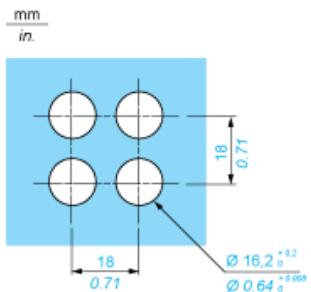
Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

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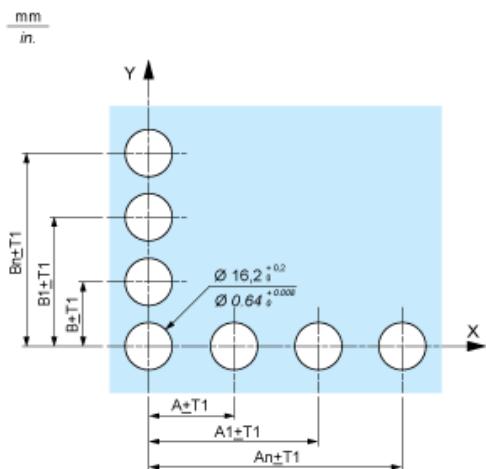
Printed Circuit Board Drillings (Viewed from Electrical Block Side)

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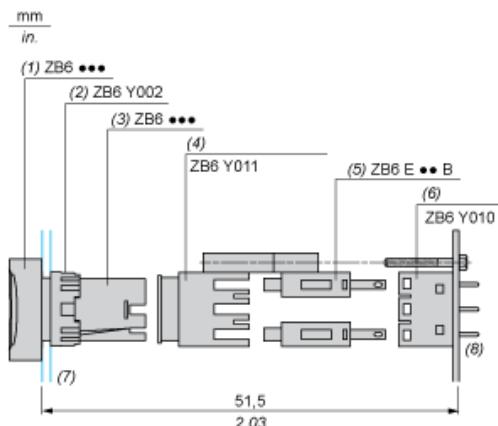
(1) Head
(2) Nut
(3) Body
(4) Body bracket
(5) Contact block
(6) Socket adaptor
(7) Panel
(8) Printed circuit

Direct mounting without socket adaptor ZB6Y010

$$\frac{mm}{in.}$$

(1) ZB6 •••
(2) ZB6 Y002
(3) ZB6 •••
(4) ZB6 Y011
(5) ZB6 E •• A
(6)
(7)

41,5
1.63

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