



Main

Range of product	Harmony XB6
Product or component type	Head for key selector switch
Device short name	ZB6
Bezel material	Plastic
Mounting diameter	0.63 in (16 mm)
Sale per indivisible quantity	1
Shape of signaling unit head	Rectangular
Type of operator	To centre spring return
Operator profile	Black key switch
Operator position information	3 positions
Type of keylock	Ronis 200
Key withdrawal position	Center

Complementary

CAD overall width	0.94 in (24 mm)
CAD overall height	0.71 in (18 mm)
CAD overall depth	2.17 in (55 mm)

Environment

Protective treatment	TC
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-13...158 °F (-25...70 °C)
Electrical shock protection class	Class II IEC 61140
IP degree of protection	IP65 IEC 60529
NEMA degree of protection	NEMA 13 UL 50 NEMA 4 UL 50 NEMA 4X UL 50 NEMA 13 CSA C22.2 No 94 NEMA 4 CSA C22.2 No 94 NEMA 4X CSA C22.2 No 94
Standards	EN/IEC 60947-1 UL 508 EN/IEC 60947-5-5 JIS C 852 JIS C8201-5-1 EN/IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1
Product certifications	UL GOST CSA CCC
Vibration resistance	+/- 3 mm 2...500 Hz)IEC 60068-2-6 5 gn 2...500 Hz)IEC 60068-2-6
Shock resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27

Ordering and shipping details

Category	22459 - PUSHBUTTONS, 16MM
Discount Schedule	CS2
GTIN	00785901363347
Nbr. of units in pkg.	1
Package weight(Lbs)	0.1 lb(US) (0.05 kg)
Returnability	No
Country of origin	MX

Packing Units

Unit Type of Package 1	PCE
Package 1 Height	3.15 in (8 cm)
Package 1 width	0.83 in (2.1 cm)
Package 1 Length	2.52 in (6.4 cm)

Offer Sustainability

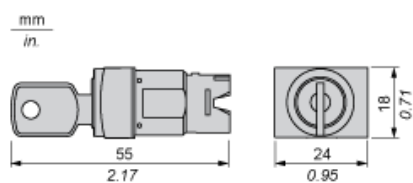
Sustainable offer status	Green Premium product
REACH Regulation	 REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	 Yes
China RoHS Regulation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

Contractual warranty

Warranty	18 months
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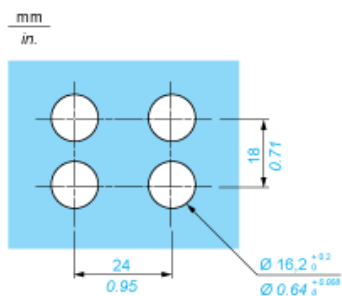
Rectangular Head for Key Switch

Dimensions



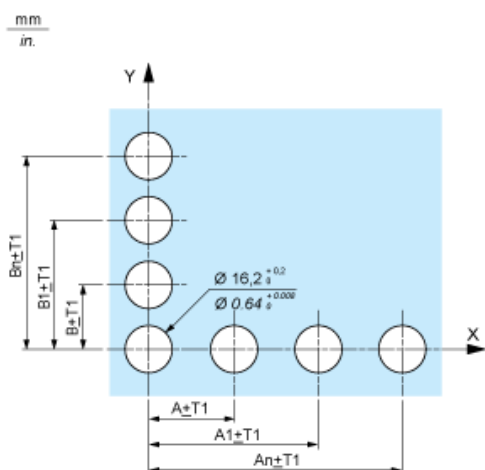
Panel Cut-out

For Rectangular Head

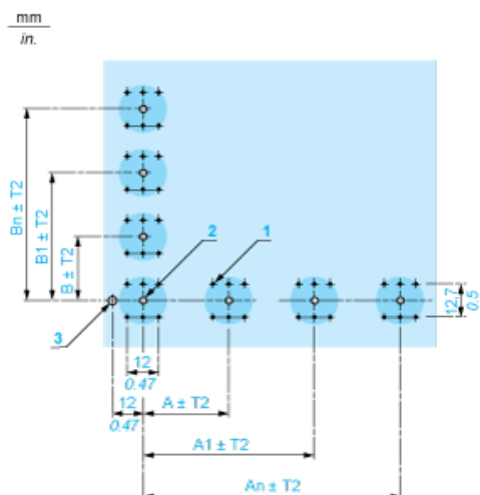


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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) 1 x Ø 2.6⁰_{-0.2} mm / 1 x Ø 0.10⁰_{-0.008} in. hole for locating pin, only when using socket adaptor ZB6Y010.

(3) 1 x Ø 3.2⁰_{-0.2} mm / 1 x Ø 0.13⁰_{-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).

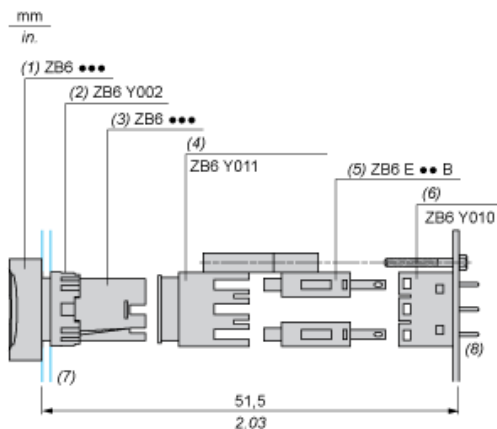
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

Installation precautions:

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

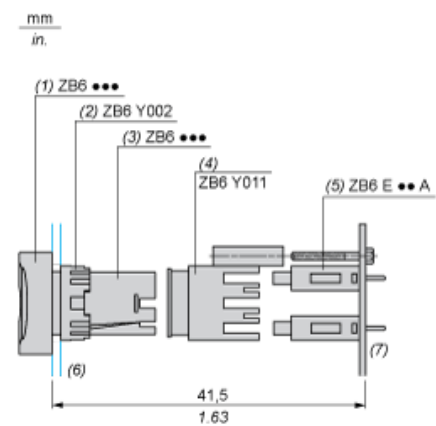
Mounting with Body Bracket

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



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