

# Product data sheet

Specifications



Head for key selector switch,  
Harmony XB6, rectangular Ø 16 3  
position stay put 200

ZB6DGK

⚠ Discontinued on: Mar 31, 2023

⚠ End-of-service on: Apr 15, 2023

⚠ Discontinued

## Main

Range Of Product	Harmony XB6
Product Or Component Type	Head for key selector switch
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	stay put
Operator Profile	Black key switch
Operator Position Information	3 positions
Type Of Keylock	Key 200
Key Withdrawal Position	Right-hand and center

## Complementary

Cad Overall Width	24 mm
Cad Overall Height	18 mm
Cad Overall Depth	55 mm

## 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

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

Standards	EN/IEC 60947-1
	EN/IEC 60947-5-1
	CSA C22.2 No 14
	EN/IEC 60947-5-5
	JIS C 852
	UL 508
	JIS C8201-5-1
Product Certifications	JIS C8201-1
	CSA
	GOST
	CCC
Vibration Resistance	UL
	+/- 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

## Contractual warranty

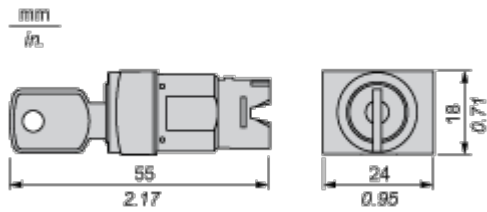
Warranty	18 months
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Dimensions Drawings

Rectangular Head for Key Switch

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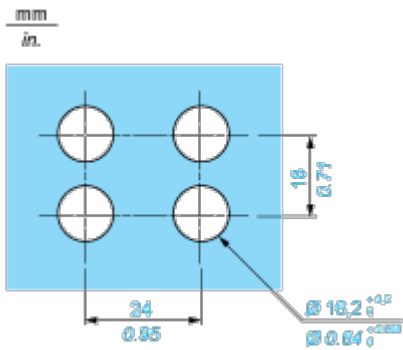
Dimensions



Mounting and Clearance

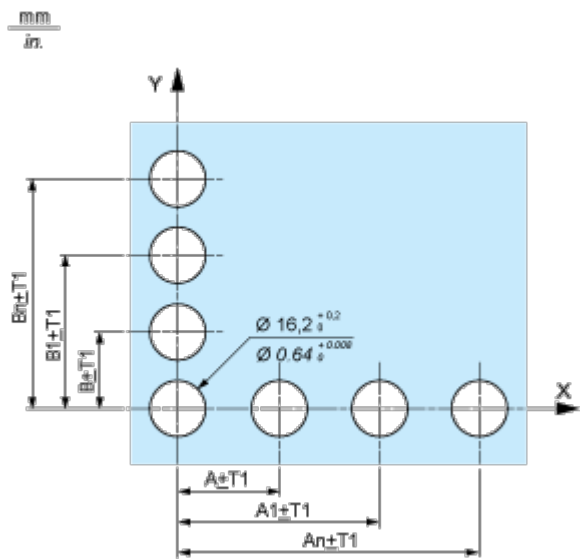
Panel Cut-out

For Rectangular Head

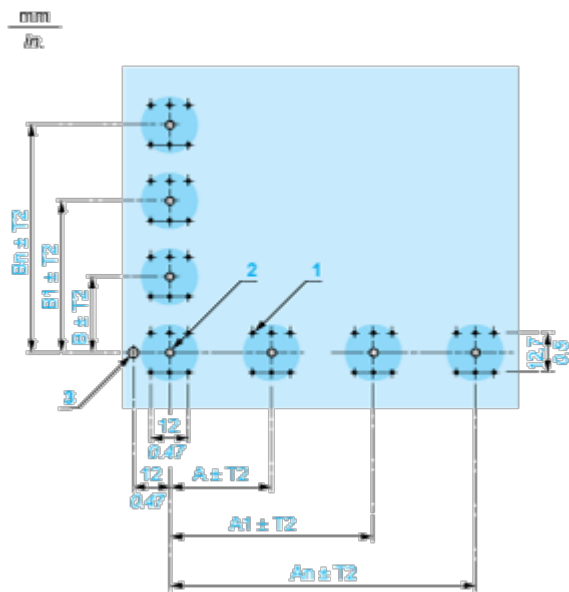


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



Printed Circuit Board Drillings (Viewed from Electrical Block Side)



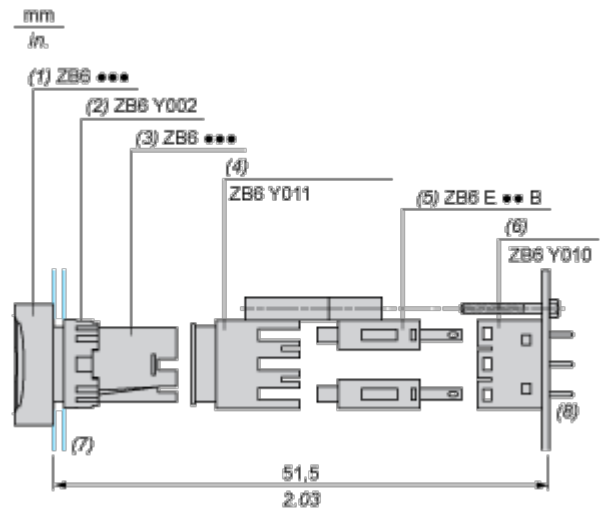
- A 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
- B 18 mm/0.71 in. minimum
- (1) 6 x  $\varnothing 1.1$  mm / 6 x  $\varnothing 0.04$  in. holes.
- (2) 1 x  $\varnothing 2.6^{0}_{-0.2}$  mm / 1 x  $\varnothing 0.10^{0}_{-0.008}$  in. hole for locating pin, only when using socket adaptor ZB6Y010.
- (3) 1 x  $\varnothing 3.2^{0}_{-0.2}$  mm / 1 x  $\varnothing 0.13^{0}_{-0.008}$  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 mm/0.01 in. maximum.  
Installation precautions:

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

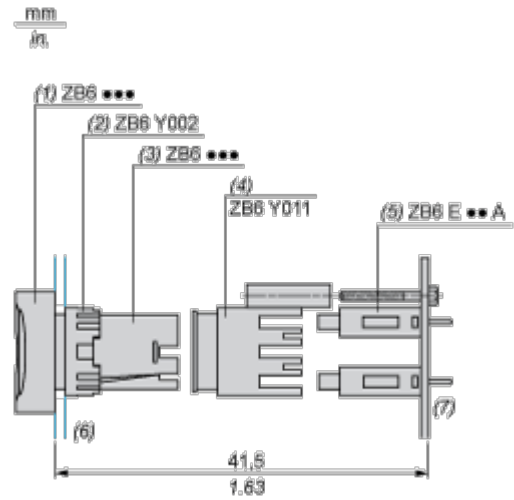
Mounting with Body Bracket

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

