

# Product data sheet

Specifications



## Head for key selector switch, Harmony XB6, square Ø 16 2 position stay put 200

ZB6CGC

### 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	Square
Type of operator	stay put
Operator profile	Black key switch
Operator position information	2 positions
Type of keylock	Key 200
Key withdrawal position	In any position

### Complementary

CAD overall width	18 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

<b>Standards</b>	CSA C22.2 No 14 UL 508 JIS C8201-5-1 JIS C 852 EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-5 JIS C8201-1
<b>Product certifications</b>	GOST UL CCC CSA
<b>Vibration resistance</b>	+/- 3 mm (f= 2...500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	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

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3.0 cm
<b>Package 1 Width</b>	3.0 cm
<b>Package 1 Length</b>	7.0 cm
<b>Package 1 Weight</b>	26.0 g
<b>Unit Type of Package 2</b>	S01
<b>Number of Units in Package 2</b>	60
<b>Package 2 Height</b>	15.0 cm
<b>Package 2 Width</b>	15.0 cm
<b>Package 2 Length</b>	40.0 cm
<b>Package 2 Weight</b>	1.785 kg

## Contractual warranty

<b>Warranty</b>	18 months
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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: Lead and lead compounds, which is known to the State of California to cause cancer and 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](#)

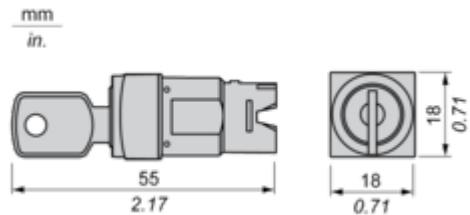
Take-back No

Dimensions Drawings

Square Head for Key Switch

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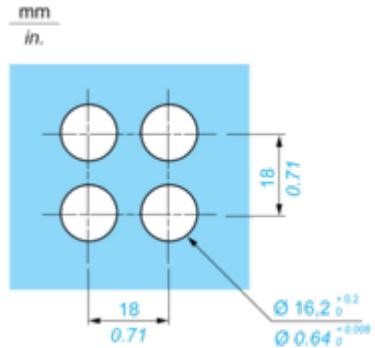
Dimensions



## Mounting and Clearance

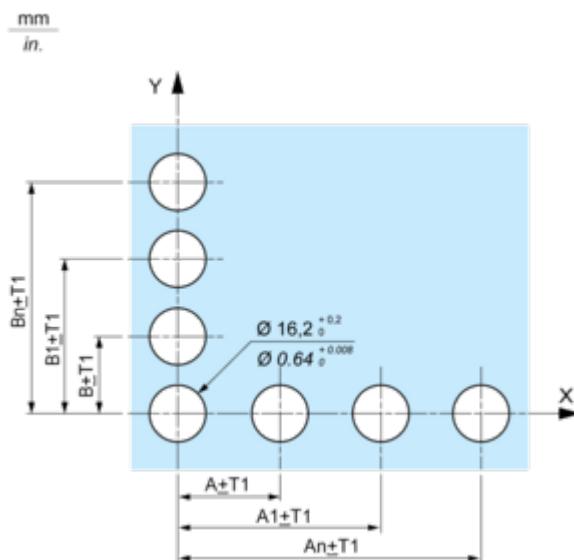
Panel Cut-out

## For Square or Circular Head

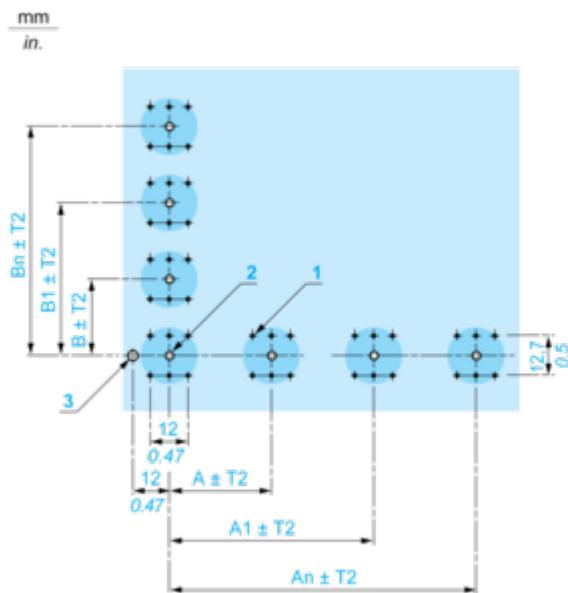


## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



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

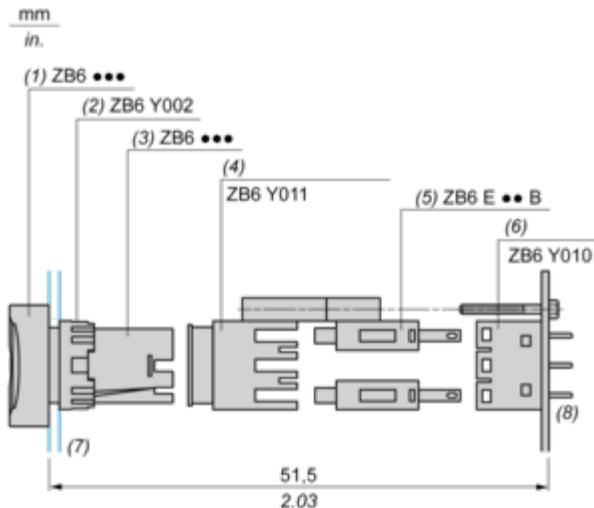
(3)  $1 \times \varnothing 3.2^0$  mm /  $1 \times \varnothing 0.13^0$  in. hole for fixing of printed circuit board onto the front panel using body

(3)  $1 \times \varnothing 3.2$  -0.2 mm /  $1 \times \varnothing 0.15$  -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;  $T1 + T2 = 0.3 \text{ mm}/0.01 \text{ in. maximum.}$**

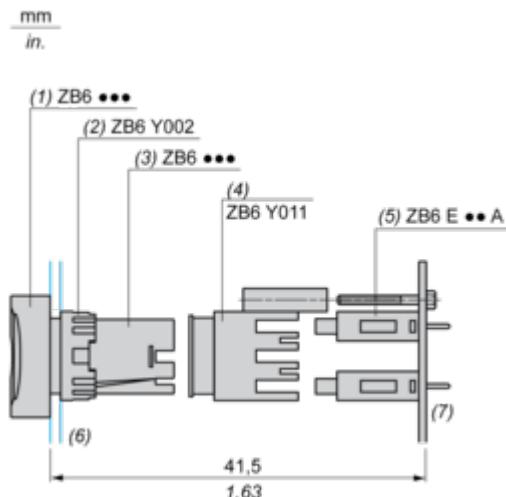
## General tolerances of the Installation precautions:

### Thickness of printed circuit board



- (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

