



### 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 | 2 positions                  |
| Type of keylock               | Dom 311                      |
| Key withdrawal position       | Right-hand                   |

### 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 4 conforming to CSA C22.2 No 94<br>NEMA 13 conforming to CSA C22.2 No 94<br>NEMA 4X conforming to CSA C22.2 No 94<br>NEMA 13 conforming to UL 50<br>NEMA 4 conforming to UL 50<br>NEMA 4X conforming to UL 50 |
| Standards                             | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-5<br>JIS C 4520<br>JIS C 852<br>UL 508<br>CSA C22.2 No 14   |
| Product certifications                | CCC<br>CSA<br>GOST<br>UL   |

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|                      |  |
|----------------------|--|
| Vibration resistance | +/- 3 mm (f = 2...500 Hz) conforming to IEC 60068-2-6<br>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-<br>to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming-<br>to IEC 60068-2-27 |

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### Contractual warranty

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|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

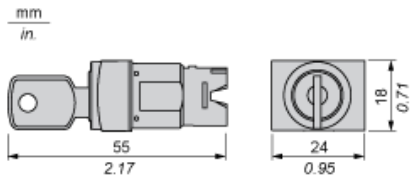
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Rectangular Head for Key Switch

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Dimensions

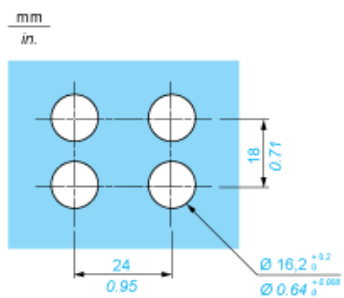


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Panel Cut-out

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For Rectangular Head

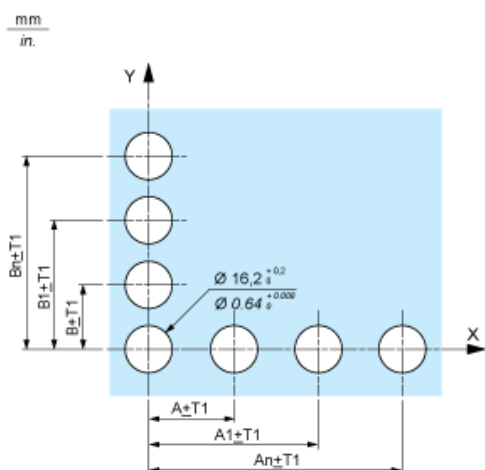


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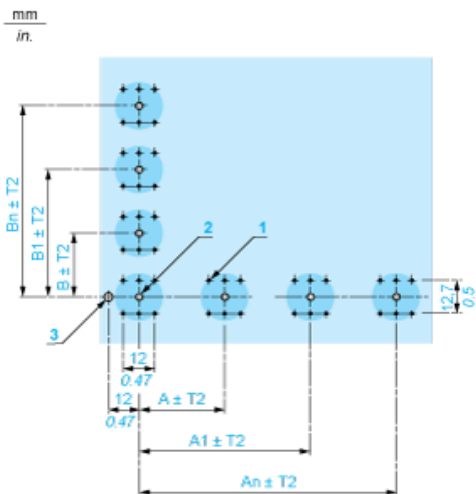
Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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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 2.6<sup>0</sup><sub>-0.2</sub> mm / 1 x Ø 0.10<sup>0</sup><sub>-0.008</sub> in. hole for locating pin, only when using socket adaptor ZB6Y010.

(3) 1 x Ø 3.2<sup>0</sup><sub>-0.2</sub> mm / 1 x Ø 0.13<sup>0</sup><sub>-0.008</sub> in. hole for fixing of printed circuit board onto the front panel using body bracket ZB6Y011. This hole must be drilled.

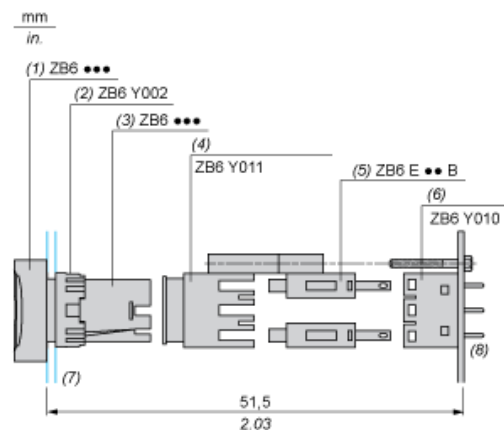
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

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

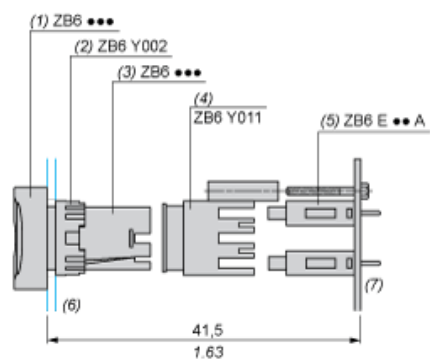
(6) Socket adaptor

(7) Panel

(8) Printed circuit

## Direct mounting without socket adaptor ZB6Y010

mm  
in.



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

Product Life Status : **Commercialised**