



Main

|                               |                          |
|-------------------------------|--------------------------|
| Range of product              | Harmony XB6              |
| Product or component type     | Head for 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  | Round                    |
| Type of operator              | Stay put                 |
| Operator profile              | Black standard handle    |
| Operator position information | 2 positions 60°          |

Complementary

|                    |                        |
|--------------------|------------------------|
| CAD overall width  | 0.71 in (18 mm)        |
| CAD overall height | 0.71 in (18 mm)        |
| CAD overall depth  | 1.69 in (43 mm)        |
| Product weight     | 0.04 lb(US) (0.018 kg) |

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 conforming to IEC 61140                                                                                                                                       |
| IP degree of protection               | IP65 conforming to IEC 60529                                                                                                                                           |
| NEMA degree of protection             | NEMA 4 UL 50<br>NEMA 13 UL 50<br>NEMA 4X UL 50<br>NEMA 13 CSA C22.2 No 94<br>NEMA 4 CSA C22.2 No 94<br>NEMA 4X CSA C22.2 No 94                                         |
| 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                                                                                                                                               |
| 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) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 |

Offer Sustainability

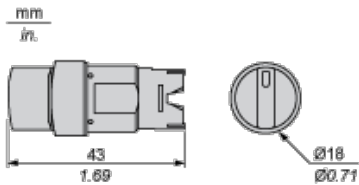
|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Nickel compounds, which is known to the State of California to cause cancer, and                                           | Nickel compounds, which is known to the State of California to cause cancer, and                                           |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |

Contractual warranty

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

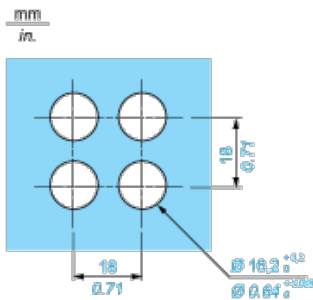
Circular Head for Selector Switch, Standard Handle

Dimensions



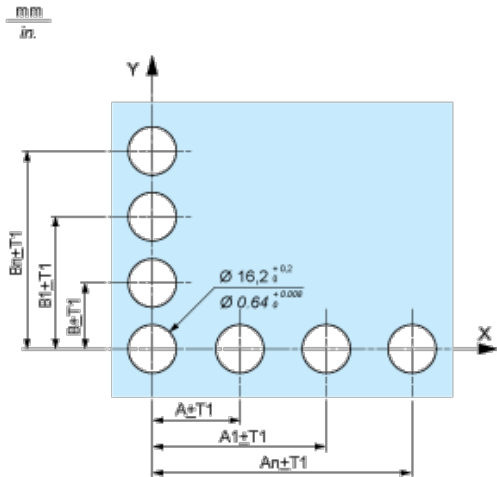
Panel Cut-out

For Square or Circular Head



Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



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 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