

# Product data sheet

Specifications



Head for selector switch, Harmony  
XB6, black square 16mm 2 positions  
90degrees, stay put

ZB6CD28

## Main

|                               |                          |
|-------------------------------|--------------------------|
| Range Of Product              | Harmony XB6              |
| Product Or Component Type     | Head for 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 standard handle    |
| Operator Position Information | 2 positions 90°          |

## Complementary

|                    |          |
|--------------------|----------|
| Cad Overall Width  | 18 mm    |
| Cad Overall Height | 18 mm    |
| Cad Overall Depth  | 43 mm    |
| Net Weight         | 0.018 kg |

## 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<br>NEMA 4 conforming to UL 50<br>NEMA 4X conforming to UL 50<br>NEMA 13 conforming to CSA C22.2 No 94<br>NEMA 4 conforming to CSA C22.2 No 94<br>NEMA 4X conforming to CSA C22.2 No 94 |
| Standards                             | IEC 60947-1<br>UL 508<br>JIS C8201-5-1<br>IEC 60947-5-5<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>JIS C 852<br>JIS C8201-1  |

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

|                        |  |
|------------------------|--|
| Product Certifications | UL<br>CCC<br>GOST<br>CSA   |
| 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 to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type Of Package 1       | PCE     |
| Number Of Units In Package 1 | 1       |
| Package 1 Height             | 4.0 cm  |
| Package 1 Width              | 5.8 cm  |
| Package 1 Length             | 6.0 cm  |
| Package 1 Weight             | 11.0 g  |
| Unit Type Of Package 2       | S01     |
| Number Of Units In Package 2 | 60      |
| Package 2 Height             | 15.0 cm |
| Package 2 Width              | 15.0 cm |
| Package 2 Length             | 40.0 cm |
| Package 2 Weight             | 775.0 g |

## Contractual warranty

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

## Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information   Yes

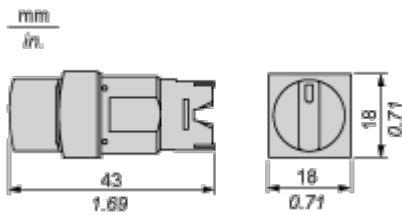
## Certifications & Standards

|                           |   |
|---------------------------|---|
| Reach Regulation          | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>   |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile       | <a href="#">End of Life Information</a>   |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Dimensions Drawings

Square Head for Selector Switch, Standard Handle

Dimensions

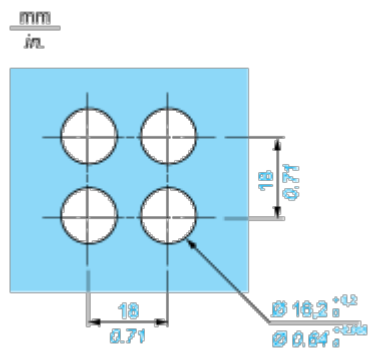


Mounting and Clearance

Panel Cut-out

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For Square or Circular Head

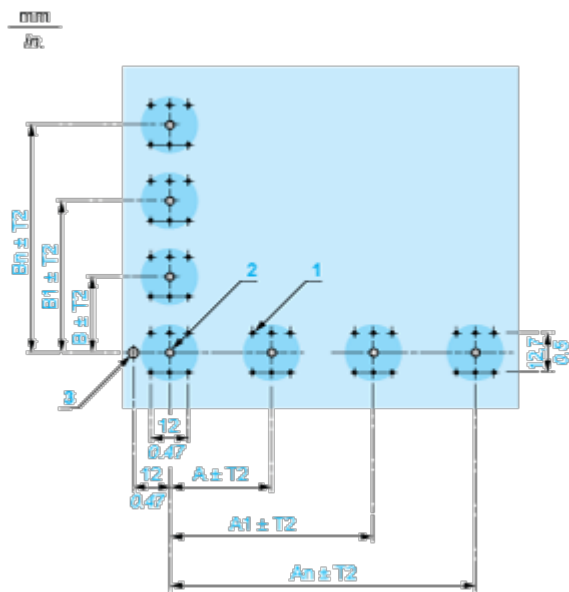


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



Printed Circuit Board Drillings (Viewed from Electrical Block Side)



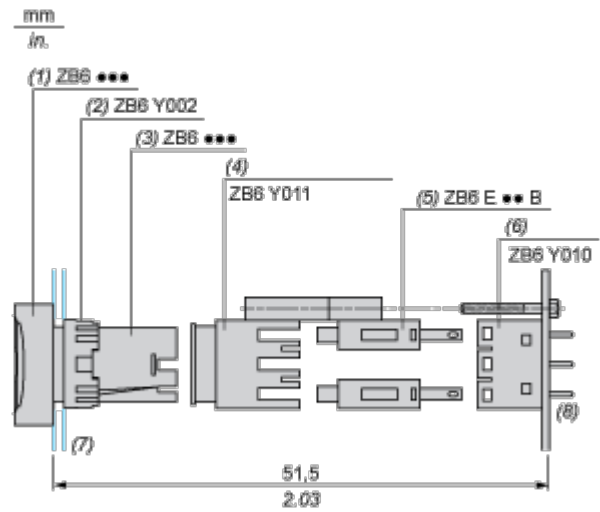
- A 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
- B 18 mm/0.71 in. minimum
- (1) 6 x  $\varnothing 1.1$  mm / 6 x  $\varnothing 0.04$  in. holes.
- (2) 1 x  $\varnothing 2.6^{0}_{-0,2}$  mm / 1 x  $\varnothing 0.10^{0}_{-0,008}$  in. hole for locating 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.

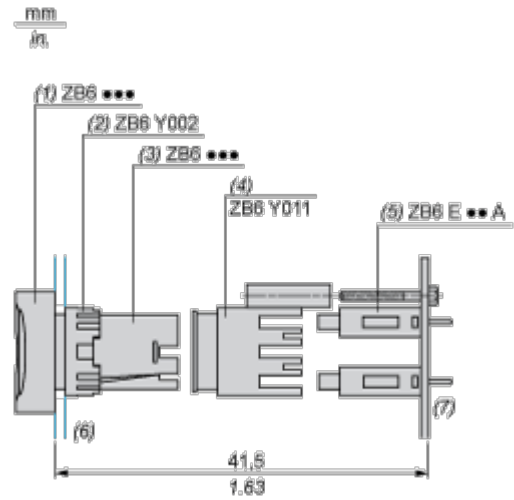
Mounting with Body Bracket

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

