

# Product data sheet

Specifications



Head for illuminated push button,  
Harmony XB6, rectang flush  
pushbutton Ø 16 latching with 6  
coloured caps

ZB6DF9

! Discontinued

! Discontinued on: Oct 20, 2020

## Main

|                                 |                                  |
|---------------------------------|----------------------------------|
| Range Of Product                | Harmony XB6                      |
| Product Or Component Type       | Head for illuminated push-button |
| Product Compatibility           | Integral LED                     |
| 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                | latching                         |
| Operator Profile                | 6 colors choice flush, unmarked  |
| Operator Additional Information | With set of 6 color cap          |

## Complementary

|                                    |                                       |
|------------------------------------|---------------------------------------|
| Cad Overall Width                  | 24 mm                                 |
| Cad Overall Height                 | 18 mm                                 |
| Cad Overall Depth                  | 33 mm                                 |
| Net Weight                         | 0.016 kg                              |
| Resistance To High Pressure Washer | 7000000 Pa at 55 °C, distance : 0.1 m |
| Mechanical Durability              | 300000 cycles                         |

## 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 |

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              | CSA C22.2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-5<br>UL 508<br>JIS C 852<br>JIS C8201-5-1<br>EN/IEC 60947-5-1<br>JIS C8201-1   |
| Product Certifications | UL<br>CSA<br>CCC<br>GOST   |
| 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 |

## 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.

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[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

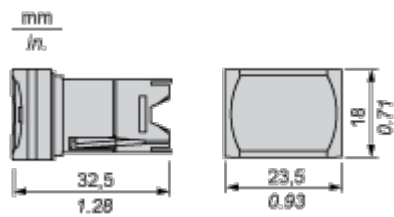
## Certifications & Standards

|                           |   |
|---------------------------|---|
| 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

Rectangular Head for Illuminated or Non Illuminated Pushbutton

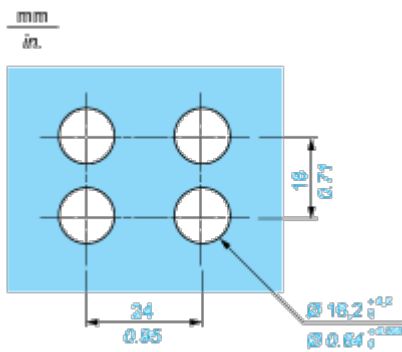
Dimensions



Mounting and Clearance

Panel Cut-out

For Rectangular Head

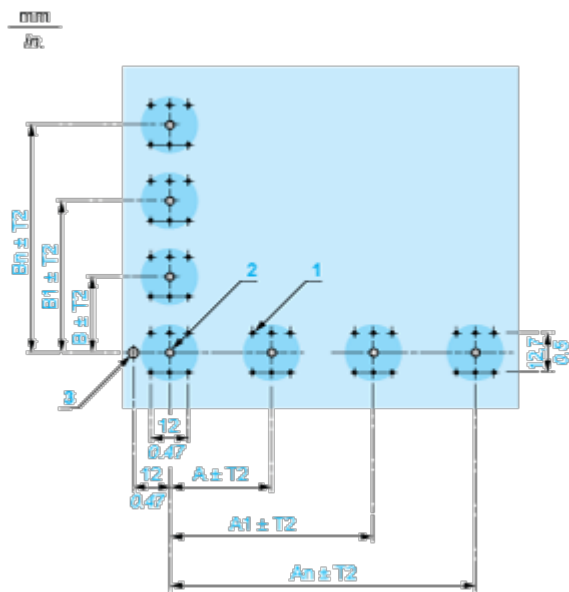


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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).

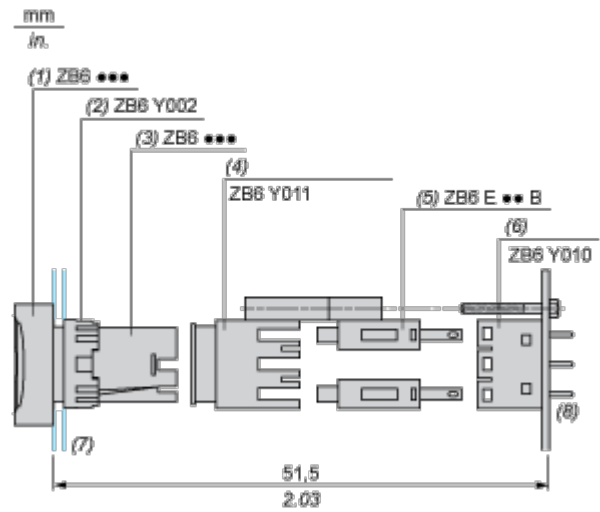
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

Installation precautions:

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

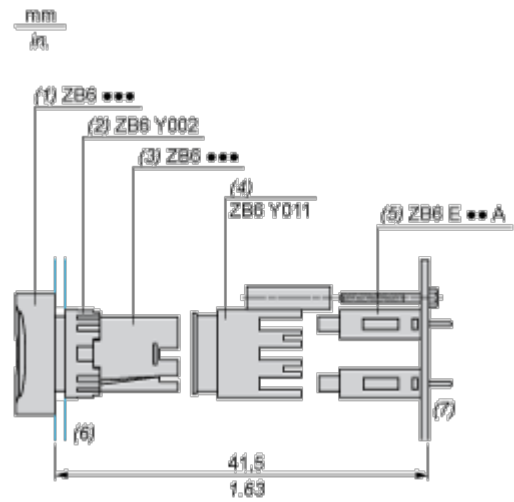
Mounting with Body Bracket

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

