

# Product data sheet

Specifications



yellow Ø40 mushroom pushbutton  
head Ø16 spring return

ZB6AC5

⚠ Discontinued on: Oct 20, 2020

⚠ Discontinued

## Main

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range Of Product              | Harmony XB6                          |
| Product Or Component Type     | Head for non-illuminated push-button |
| Device Short Name             | ZB6                                  |
| Bezel Material                | Plastic                              |
| Mounting Diameter             | 16 mm                                |
| Sale Per Indivisible Quantity | 1                                    |
| Shape Of Signaling Unit Head  | Round                                |
| Type Of Operator              | spring return                        |
| Operator Profile              | Yellow mushroom Ø 24 mm, unmarked    |

## Complementary

|                    |         |
|--------------------|---------|
| Cad Overall Width  | 24 mm   |
| Cad Overall Height | 24 mm   |
| Cad Overall Depth  | 42 mm   |
| Net Weight         | 0.02 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                             | EN/IEC 60947-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>JIS C8201-5-1<br>JIS C 852<br>UL 508<br>EN/IEC 60947-5-5<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 | GOST                                                                                                                                                                           |
|                        | CCC                                                                                                                                                                            |
|                        | UL                                                                                                                                                                             |
|                        | 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 |

## 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 >](#)



RoHS/REACH

## Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information Yes

## Certifications & Standards

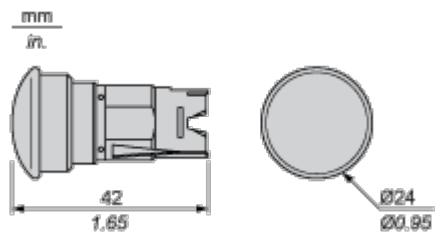
|                           |                                                                                                                                                                                                                                                                                       |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>                                                                                                                                                                                                                                                |
| 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

Head for Mushroom Head Pushbutton, Spring Return

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Dimensions

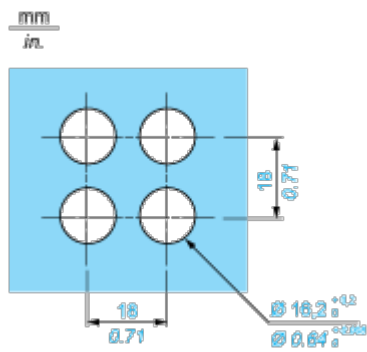


Mounting and Clearance

Panel Cut-out

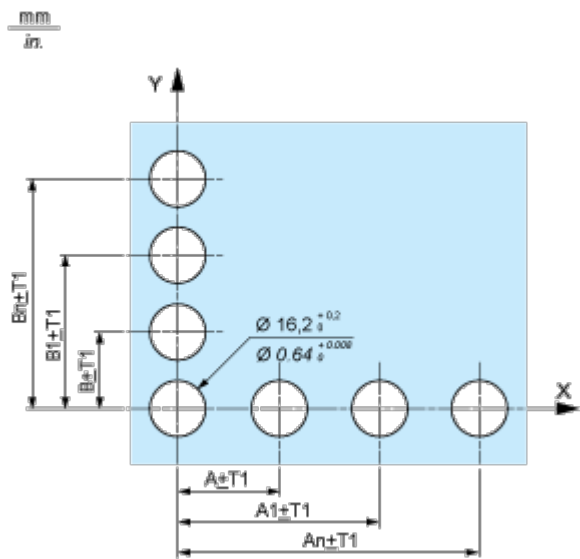
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For Square or Circular Head

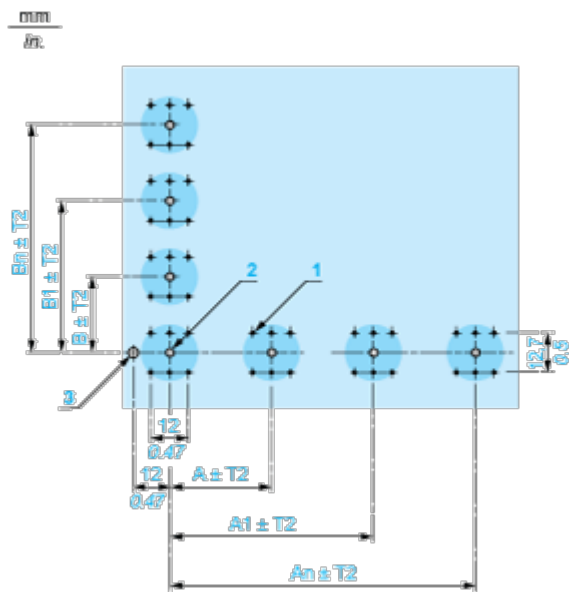


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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).

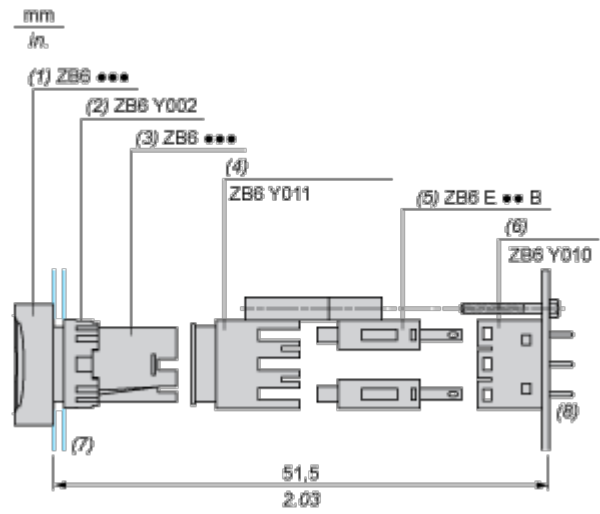
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

Installation precautions:

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

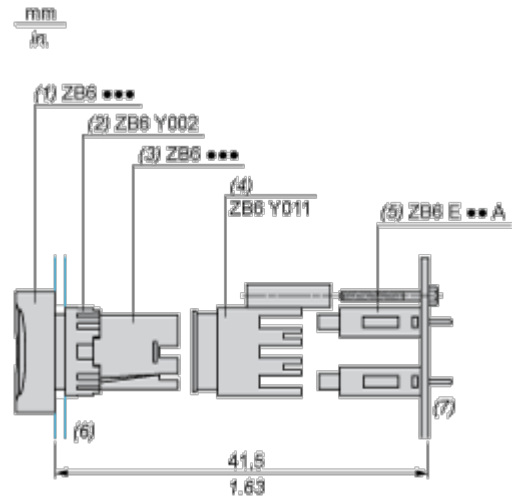
Mounting with Body Bracket

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

