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# Product datasheet

Specifications



## red rectang flush illuminated pushbutton head Ø16 spring return 12...24V

Local distributor code:

380550872 ZB6DW4

**EAN Code: 3389110776034**

## 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** | spring return |
| **Operator profile** | Red flush, unmarked |

## Complementary

| | |
|---|---|
| **CAD overall width** | 24 mm |
| **CAD overall height** | 18 mm |
| **CAD overall depth** | 33 mm |
| **Net weight** | 0.016 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 4 conforming to CSA C22.2 No 94<br>NEMA 4X conforming to CSA C22.2 No 94<br>NEMA 13 conforming to CSA C22.2 No 94 |
| **Standards** | EN/IEC 60947-5-5<br>JIS C8201-5-1<br>CSA C22.2 No 14<br>JIS C 852<br>UL 508<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<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

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| | |
|---|---|
| **Product certifications** | CCC<br>GOST<br>CSA<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) 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** | 2.7 cm |
| **Package 1 Width** | 4.3 cm |
| **Package 1 Length** | 8.3 cm |
| **Package 1 Weight** | 10.0 g |
| **Unit Type of Package 2** | S01 |
| **Number of Units in Package 2** | 80 |
| **Package 2 Height** | 15.0 cm |
| **Package 2 Width** | 15.0 cm |
| **Package 2 Length** | 40.0 cm |
| **Package 2 Weight** | 840.0 g |

## Contractual warranty

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

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## 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-$CO_2$ 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 >

## Well-being performance

| | |
|---|---|
| Reach Free Of Svhc | |
| Toxic Heavy Metal Free | |
| Mercury Free | |
| Rohs Exemption Information | Yes |

| | |
|---|---|
| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration |

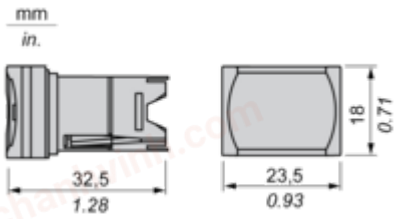
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# Product datasheet ZB6DW4

## Dimensions Drawings

### Rectangular Head for Illuminated or Non Illuminated Pushbutton

#### Dimensions



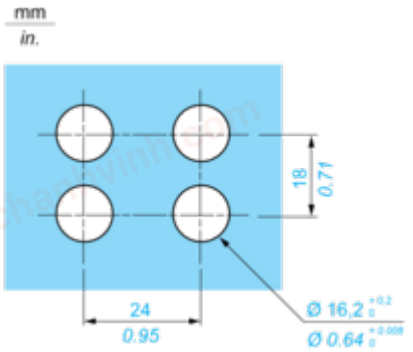
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# Product datasheet ZB6DW4

Mounting and Clearance

## Panel Cut-out

### For Rectangular Head



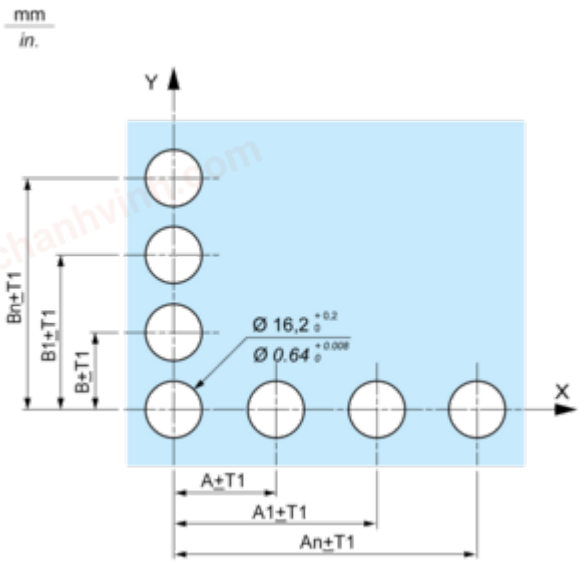

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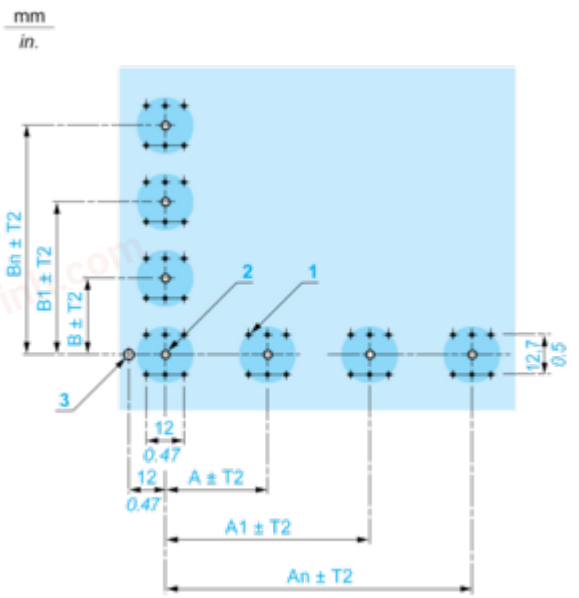
# Product datasheet ZB6DW4

## 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)



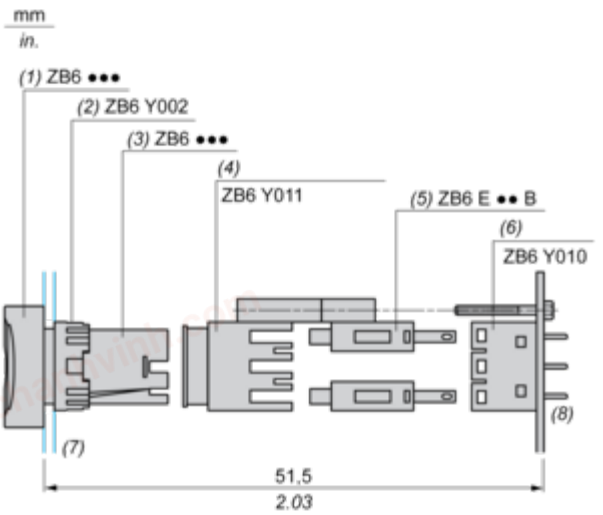

**A** 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
**B** 18 mm/0.71 in. minimum
**(1)** 6 x Ø 1.1 mm / 6 x Ø 0.04 in. holes.
**(2)** 1 x Ø $2.6^{0}_{-0.2}$ mm / 1 x Ø $0.10^{0}_{-0.008}$ in. hole for locating pin, only when using socket adaptor ZB6Y010.
**(3)** 1 x Ø $3.2^{0}_{-0.2}$ mm / 1 x Ø $0.13^{0}_{-0.008}$ 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**

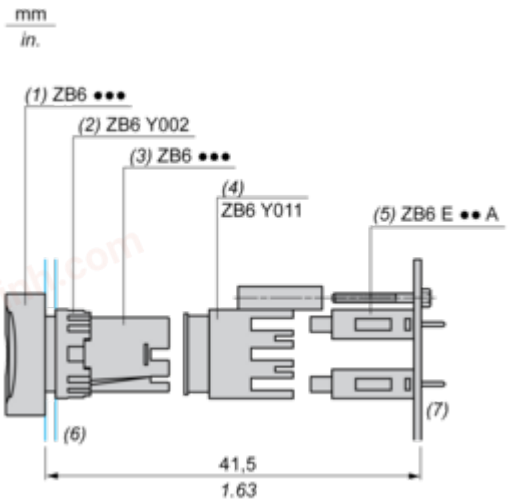
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# Product datasheet ZB6DW4




**(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