

# Product data sheet

Specifications



Head for non illuminated push button, Harmony XB6, black flush, 16mm, integral LED, spring return, unmarked

ZB6AA2

Product availability: Stock - Normally stocked in distribution facility

## 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             | 0.6 in (16 mm)                       |
| Sale per indivisible quantity | 1                                    |
| Shape of signaling unit head  | Round                                |
| Type of operator              | spring return                        |
| Operator profile              | Black flush, unmarked                |

## Complementary

|                    |                         |
|--------------------|-------------------------|
| CAD overall width  | 0.7 in (18 mm)          |
| CAD overall height | 0.7 in (18 mm)          |
| CAD overall depth  | 1.3 in (33 mm)          |
| Product Weight     | 0.035 lb(US) (0.016 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 IEC 60529                                                                                                                 |
| NEMA degree of protection             | NEMA 13 UL 50<br>NEMA 4 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                             | JIS C8201-5-1<br>IEC 60947-1<br>UL 508<br>JIS C 852<br>IEC 60947-5-1<br>IEC 60947-5-5<br>CSA C22.2 No 14<br>JIS C8201-1        |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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 | CSA<br>UL<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 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222459  |
| Discount Schedule | 0CS2          |
| GTIN              | 3389110775396 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                       |
|------------------------------|-----------------------|
| Unit Type of Package 1       | PCE                   |
| Nbr. of units in pkg.        | 1                     |
| Package 1 Height             | 0.79 in (2.000 cm)    |
| Package 1 Width              | 2.36 in (6.000 cm)    |
| Package 1 Length             | 2.36 in (6.000 cm)    |
| Package weight(Lbs)          | 0.282 oz (8.000 g)    |
| Unit Type of Package 2       | S01                   |
| Number of Units in Package 2 | 60                    |
| Package 2 Height             | 5.91 in (15.000 cm)   |
| Package 2 Width              | 5.91 in (15.000 cm)   |
| Package 2 Length             | 15.75 in (40.000 cm)  |
| Package 2 Weight             | 23.810 oz (675.000 g) |

## Contractual warranty

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

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)

| Environmental footprint                        |   |                                               |
|------------------------------------------------|---|-----------------------------------------------|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 1 |                                               |
| Environmental Disclosure                       |   | <a href="#">Product Environmental Profile</a> |

Use Better

| Materials and Substances               |                                                                                                                                                                                                                                                                                       |  |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                   |  |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                                                    |  |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                            |  |
| 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> |  |

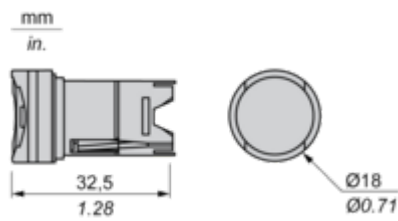
Use Again

| Repack and remanufacture |    |                                         |
|--------------------------|----|-----------------------------------------|
| Circularity Profile      |    | <a href="#">End of Life Information</a> |
| Take-back                | No |                                         |

Dimensions Drawings

Circular Head for Illuminated or Non Illuminated Pushbutton

Dimensions

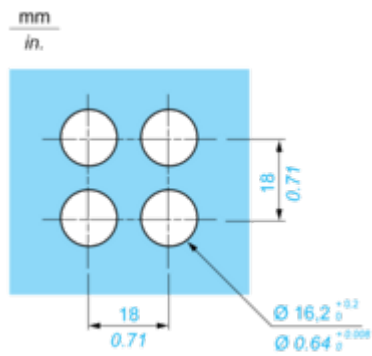


Mounting and Clearance

Panel Cut-out

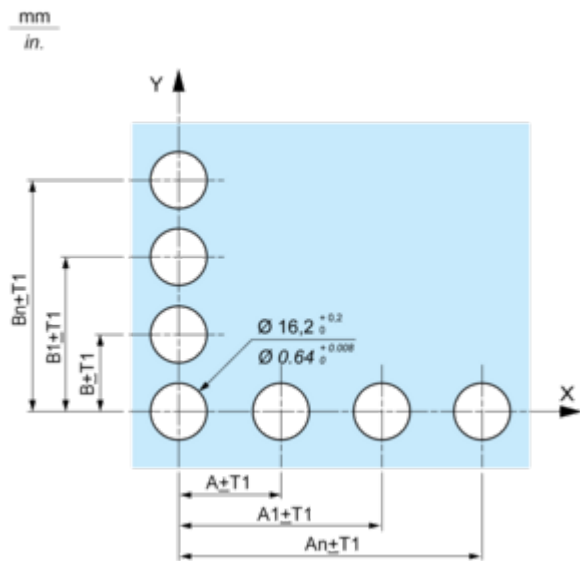
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For Square or Circular Head

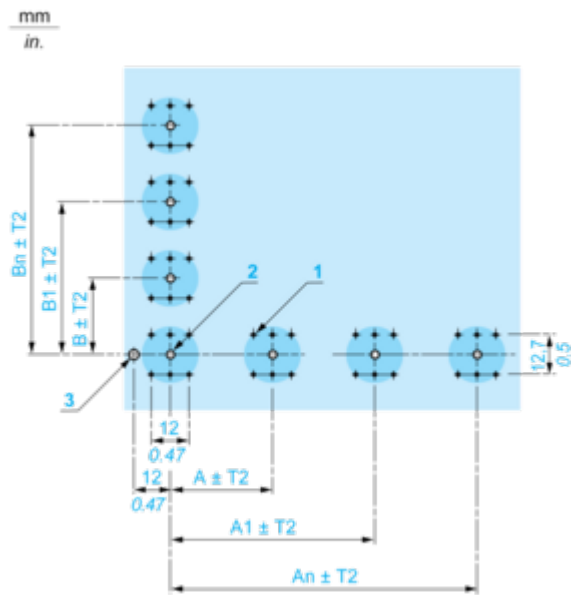


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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 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).

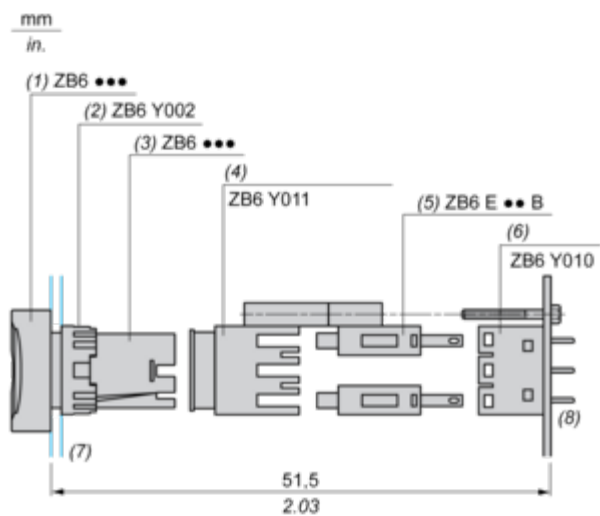
**General tolerances of the panel and printed circuit board:** T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

**Installation precautions:**

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

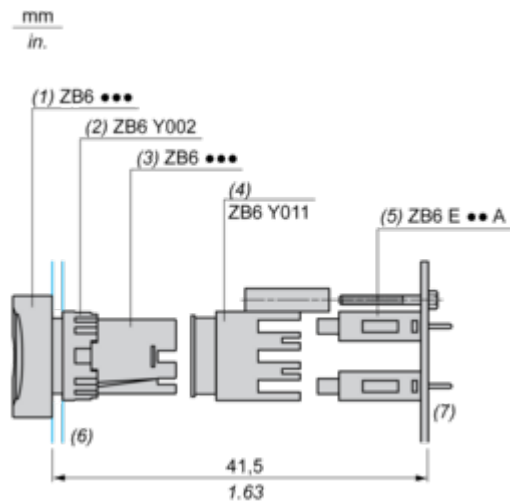
**Mounting with Body Bracket**

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

Technical Illustration

Dimensions

