

## ZB6AW5

Head for illuminated push button, Harmony XB6, yellow flush pushbutton Ø 16 spring return 12...24 V



### 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             | 0.63 in (16 mm)                  |
| Sale per indivisible quantity | 1                                |
| Shape of signaling unit head  | Round                            |
| Type of operator              | Spring return                    |
| Operator profile              | Yellow flush, unmarked           |

### Complementary

|                    |                        |
|--------------------|------------------------|
| CAD overall width  | 0.71 in (18 mm)        |
| CAD overall height | 0.71 in (18 mm)        |
| CAD overall depth  | 1.30 in (33 mm)        |
| Product Weight     | 0.04 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 IEC 61140                                                                                                               |
| IP degree of protection               | IP65 conforming to IEC 60529                                                                                                     |
| NEMA degree of protection             | NEMA 13 UL 50<br>NEMA 4 UL 50<br>NEMA 4X UL 50<br>NEMA 4 CSA C22.2 No 94<br>NEMA 4X CSA C22.2 No 94<br>NEMA 13 CSA C22.2 No 94   |
| Standards                             | JIS C 852<br>UL 508<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>EN/IEC 60947-5-5<br>JIS C8201-1 |
| Product Certifications                | CCC<br>UL<br>CSA<br>GOST                                                                                                         |
| Vibration resistance                  | +/- 3 mm 2...500 Hz)IEC 60068-2-6<br>5 gn 2...500 Hz)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              | 22459 - PUSHBUTTONS, 16MM |
| Discount Schedule     | CS2                       |
| GTIN                  | 3389110775976             |
| Nbr. of units in pkg. | 1                         |
| Package weight(Lbs)   | 0.25 oz (7 g)             |
| Returnability         | Yes                       |
| Country of origin     | ES                        |

## Packing Units

|                              |                  |
|------------------------------|------------------|
| Unit Type of Package 1       | PCE              |
| Package 1 Height             | 0.79 in (2 cm)   |
| Package 1 width              | 4.33 in (11 cm)  |
| Package 1 Length             | 6.30 in (16 cm)  |
| Unit Type of Package 2       | S01              |
| Number of Units in Package 2 | 80               |
| Package 2 Weight             | 27.23 oz (772 g) |
| Package 2 Height             | 5.91 in (15 cm)  |
| Package 2 width              | 5.91 in (15 cm)  |
| Package 2 Length             | 15.75 in (40 cm) |

## Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                 |
| 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> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                     |
| REACH free of SVHC         | Yes                                                                                                                                                                                                                                                                                   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                                                                                                                                                                                        |
| Toxic heavy metal free     | Yes                                                                                                                                                                                                                                                                                   |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</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>                                                                                                                                                                                                                                               |

## Contractual warranty

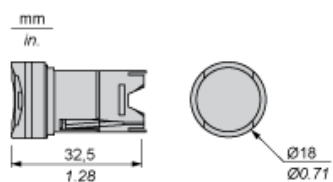
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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Circular Head for Illuminated or Non Illuminated Pushbutton

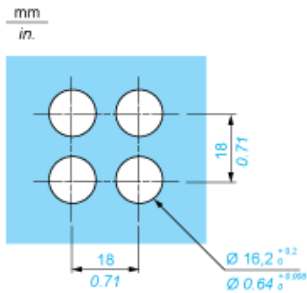
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Dimensions



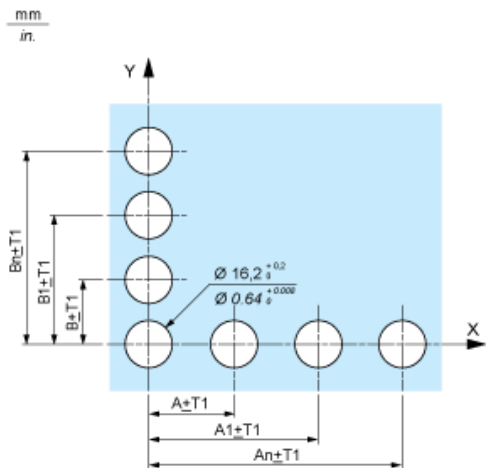
Panel Cut-out

For Square or Circular Head

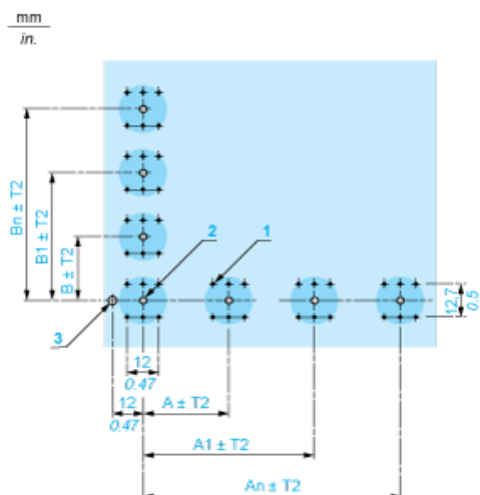


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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).

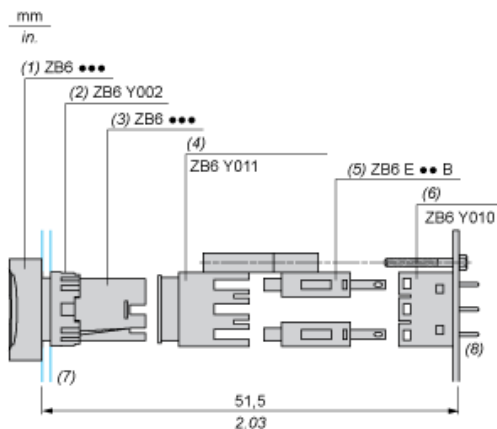
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

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

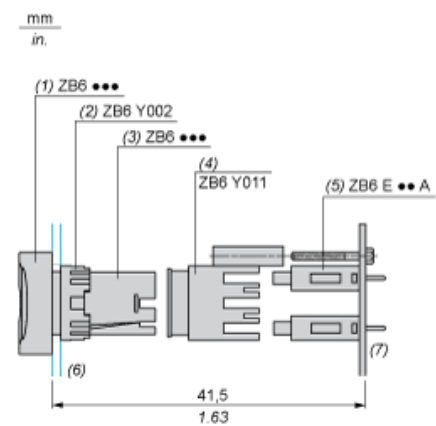
(5) Contact block

(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

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Authorized Distributor

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