

# ZB6DA1

white rectang flush pushbutton head Ø16  
spring return unmarked

Product availability: Non-Stock - Not 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             | 0.63 in (16 mm)                      |
| Sale per indivisible quantity | 1                                    |
| Shape of signaling unit head  | Rectangular                          |
| Type of operator              | Spring return                        |
| Operator profile              | White flush unmarked                 |

## Complementary

|                    |                        |
|--------------------|------------------------|
| CAD overall width  | 0.94 in (24 mm)        |
| CAD overall height | 0.71 in (18 mm)        |
| CAD overall depth  | 1.3 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 conforming to IEC 61140                                                                                                                                                                                   |
| IP degree of protection               | IP65 conforming to IEC 60529                                                                                                                                                                                       |
| NEMA degree of protection             | NEMA 4 conforming to CSA C22.2 No 94<br>NEMA 13 conforming to CSA C22.2 No 94<br>NEMA 4X conforming to CSA C22.2 No 94<br>NEMA 13 conforming to UL 50<br>NEMA 4 conforming to UL 50<br>NEMA 4X conforming to UL 50 |
| Standards                             | EN/IEC 60947-5-5<br>UL 508<br>JIS C 4520<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C 852                                                                                                     |
| Product certifications                | CSA<br>UL<br>GOST<br>CCC                                                                                                                                                                                           |
| 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) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27                                             |

## Ordering and shipping details

|                       |                           |
|-----------------------|---------------------------|
| Category              | 22459 - PUSHBUTTONS, 16MM |
| Discount Schedule     | CS2                       |
| GTIN                  | 00785901362395            |
| Nbr. of units in pkg. | 1                         |
| Package weight(Lbs)   | 0.10000000000000001       |
| Returnability         | N                         |
| Country of origin     | ES                        |

## Offer Sustainability

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| California proposition 65  | WARNING: This product can expose you to chemicals including:                                                               |
| - - - - - Substance 1      | Nickel compounds, which is known to the State of California to cause cancer, and                                           |
| - - - - - Substance 2      | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| - - - - - More information | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

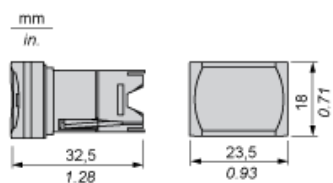
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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Rectangular Head for Illuminated or Non Illuminated Pushbutton

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Dimensions



## 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 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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