

# Product data sheet

## Characteristics

### ZB6AE5

yellow projecting illuminated pushbutton head  
Ø16 spring return 12...24V

Product availability: Non-Stock - Not normally stocked in distribution facility



#### 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 projecting unmarked

#### Complementary

CAD overall width	0.71 in (18 mm)
CAD overall height	0.71 in (18 mm)
CAD overall depth	1.42 in (36 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 NEMA 13 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94 NEMA 13 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 4X conforming to UL 50
Standards	CSA C22.2 No 14 UL 508 EN/IEC 60947-5-1 JIS C 852 JIS C 4520 EN/IEC 60947-1 EN/IEC 60947-5-5
Product certifications	CCC CSA UL GOST
Vibration resistance	+/- 3 mm (f = 2...500 Hz) conforming to IEC 60068-2-6 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 50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Ordering and shipping details

Category	22459 - PUSHBUTTONS, 16MM
Discount Schedule	CS2
GTIN	00785901359531
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

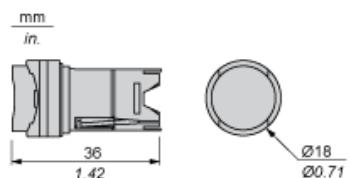
Warranty period	18 months
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Circular Head for Illuminated or Non Illuminated Pushbutton

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Dimensions

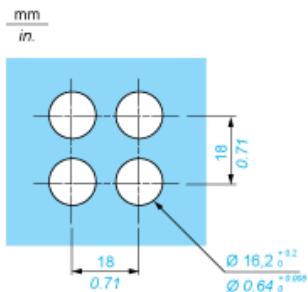


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### Panel Cut-out

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For Square or Circular Head

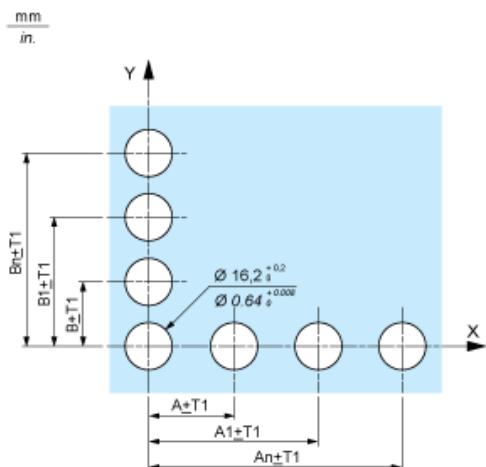


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### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

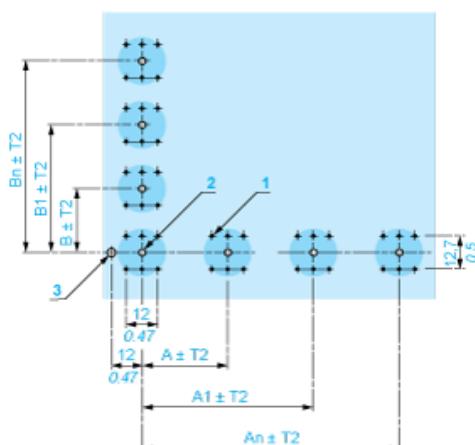
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Front Panel Cut-out (Viewed from Installer's Side)



## Printed Circuit Board Drillings (Viewed from Electrical Block Side)

mm  
in



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> -0.2 mm / 1 x Ø 0.10<sup>0</sup> -0.008 in. hole for locating pin, only when using socket adaptor ZB6Y010.

(3) 1 x Ø 3.2<sup>0</sup> -0.2 mm / 1 x Ø 0.13<sup>0</sup> -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.

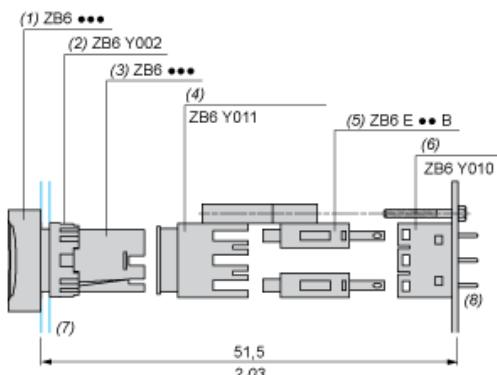
### Installation precautions:

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

## Mounting with Body Bracket

With socket adaptor ZB6Y010

mm  
in.



- (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

mm  
in.

