## ZB6AD27

# black selector switch head Ø16 3-position spring return



## Main

Range of product	Harmony XB6
Product or component type	Head for selector switch
Device short name	ZB6
Bezel material	Plastic
Mounting diameter	16 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Spring return left to centre
Operator profile	Black standard handle
Operator position information	3 positions 45°

### Complementary

CAD overall width	18 mm	
CAD overall height	18 mm	
CAD overall depth	43 mm	
Product weight	0.018 kg	

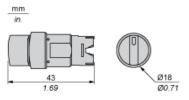
#### Environment

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Protective treatment	TC	
Ambient air temperature for storage	-4070 °C	
Ambient air temperature for operation	-2570 °C	
Class of protection against electric shock	Class II conforming to IEC 61140	
IP degree of protection	IP65 conforming to IEC 60529	
NEMA degree of protection	Conforming to CSA C22.2 No 94 Conforming to CSA C22.2 No 94 Conforming to CSA C22.2 No 94 Conforming to UL 50 Conforming to UL 50 Conforming to UL 50	
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-5 JIS C 4520 JIS C 852 UL 508 CSA C22.2 No 14	
Product certifications	CCC CSA GOST UL	
Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6 +/- 3 mm (f = 2500 Hz) conforming to IEC 60068-2-6	
Shock resistance	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27	

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## Circular Head for Selector Switch, Standard Handle

## **Dimensions**

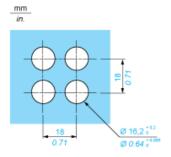


# Product data sheet Mounting and Clearance

## **ZB6AD27**

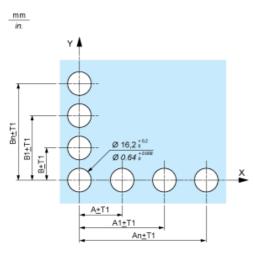
## Panel Cut-out

## For Square or Circular Head

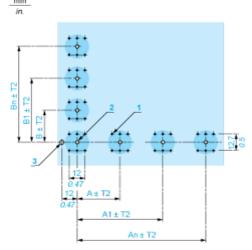


## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

## 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)  $1 \times \emptyset 2.6^{\circ}_{-0.2}$  mm /  $1 \times \emptyset 0.10^{\circ}_{-0.008}$  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).

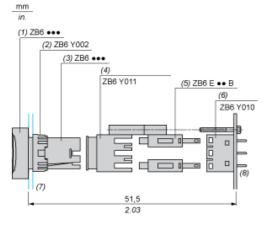
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

Installation precautions:

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

#### Mounting with Body Bracket

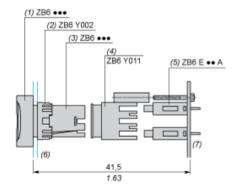
With socket adaptor ZB6Y010



- (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





- Head
- Nut
- (1) (2) (3) (4) (5) (6) (7)
- Body Body bracket Contact block
- Panel
- Printed circuit

## **Mouser Electronics**

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Schneider Electric: ZB6AD27