# **Product datasheet**

Specification





# red pilot light head Ø16 for integral LED

ZB6AV4

## Main

Range Of Product	Harmony XB6
Product Or Component Type	Head for pilot light
Product Compatibility	Integral LED
Device Short Name	ZB6
Bezel Material	Plastic
Mounting Diameter	16 mm
Sale Per Indivisible Quantity	1
Shape Of Signaling Unit Head	Round
Cap/Operator Or Lens Colour	Red

# Complementary

•	•	
Cad Overall Width	18 mm	
Cad Overall Height	18 mm	
Cad Overall Depth	33 mm	
Net Weight	0.015 kg	

## **Environment**

Protective Treatment	TC
Ambient Air Temperature For Storage	-4070 °C
Ambient Air Temperature For Operation	-2570 °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 13 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 4X conforming to UL 50 NEMA 13 conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94
Standards	UL 508 EN/IEC 60947-5-1 JIS C 4520 EN/IEC 60947-5-5 JIS C 852 CSA C22.2 No 14 EN/IEC 60947-1

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.



Product Certifications	GOST CSA CCC UL
Vibration Resistance	+/- 3 mm (f= 2500 Hz) conforming to IEC 60068-2-6 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6
Shock Resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

# **Packing Units**

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	3.2 cm
Package 1 Width	5.1 cm
Package 1 Length	8.6 cm
Package 1 Weight	8.0 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	80
Package 2 Height	15 cm
Package 2 Width	15 cm
Package 2 Length	40 cm
Package 2 Weight	840 g
Package 3 Height	15 cm

# **Contractual warranty**

Warranty 18 months



**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

## Well-being performance



Mercury Free



Rohs Exemption Information

Yes

## **Certifications & Standards**

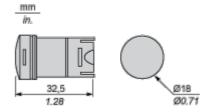
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

# ZB6AV4

**Dimensions Drawings** 

# Circular Head for Pilot Light

## **Dimensions**



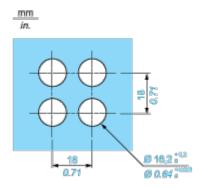
# **Product datasheet**

# ZB6AV4

Mounting and Clearance

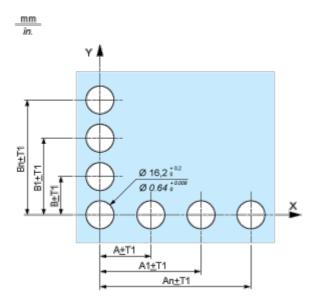
## Panel Cut-out

## For Square or Circular Head

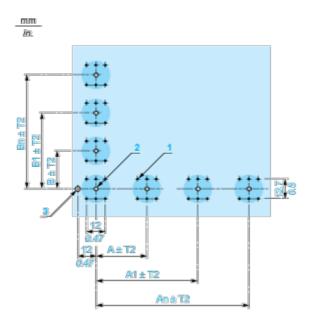


## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

## 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.
- $(2) \qquad 1~x~\varnothing~2.6^{0}_{-0.2}~mm~/~1~x~\varnothing~0.10^{0}_{-0.008}~in.~hole~for~locating~pin,~only~when~using~socket~adaptor~ZB6Y010.$
- (3)  $1 \times \emptyset \ 3.2^{0}_{-0.2} \ \text{mm} \ / \ 1 \times \emptyset \ 0.13^{0}_{-0.008}$  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).

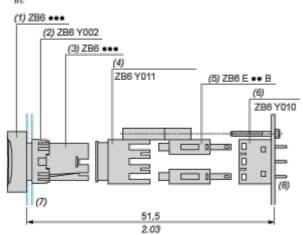
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum. Installation precautions:

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

### **Mounting with Body Bracket**

#### With socket adaptor ZB6Y010

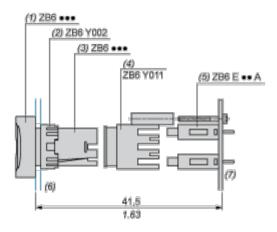




- (1) Head
- (2) Nut
- (3) Body
- (4) Body bracket
- (5) Contact block
- (6) Socket adaptor
- (7) Panel
- (8) Printed circuit

### Direct mounting without socket adaptor ZB6Y010





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