



### 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	Square
Cap/operator or lens colour	Red

### Complementary

CAD overall width	18 mm
CAD overall height	18 mm
CAD overall depth	33 mm
Product weight	0.015 kg

### Environment

Protective treatment	TC
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-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 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	JIS C 4520 CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-1 EN/IEC 60947-5-5 UL 508 JIS C 852
Product certifications	CCC UL GOST CSA
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) 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

## Offer Sustainability

Sustainable offer status	Green Premium product
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

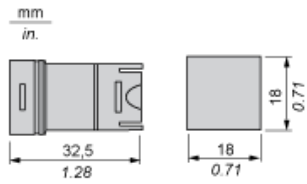
Warranty	18 months
----------	-----------

---

Square Head for Pilot Light

---

Dimensions



---

Panel Cut-out

---

For Square or Circular Head

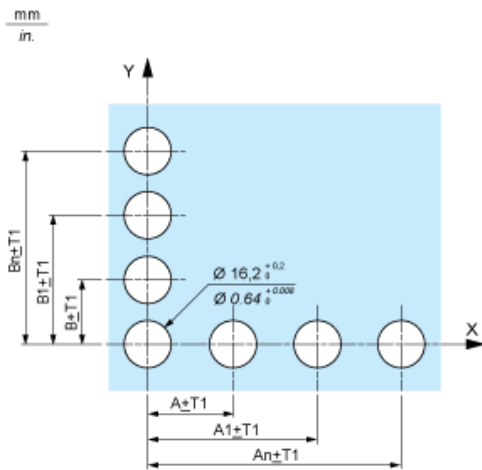


---

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  $\varnothing$  1.1 mm / 6 x  $\varnothing$  0.04 in. holes.

(2) 1 x  $\varnothing$  2.6<sup>0</sup><sub>-0.2</sub> mm / 1 x  $\varnothing$  0.10<sup>0</sup><sub>-0.008</sub> in. hole for locating pin, only when using socket adaptor ZB6Y010.

(3) 1 x  $\varnothing$  3.2<sup>0</sup><sub>-0.2</sub> mm / 1 x  $\varnothing$  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

mm  
in.



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