

# Product datasheet

Specifications

green light block with body/fixing  
collar with integral LED 12...24V



ZB6EB3A

⚠ Discontinued on: 01-Nov-2020

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## Main

Range Of Product	Harmony XB6
Product Or Component Type	Complete body for pilot lights
Device Short Name	ZB6
Sale Per Indivisible Quantity	5
Connections - Terminals	Pins for printed circuit board, connection size: 1 x 0.5 mm
Light Source	LED
Bulb Base	Integral LED
Light Block Supply	Direct
Light Source Colour	Green
[Us] Rated Supply Voltage	12...24 V AC/DC

## Complementary

Net Weight	0.003 kg
Operating Position	Any position
[Ui] Rated Insulation Voltage	250 V (pollution degree 3) conforming to IEC 60947-1
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to IEC 60947-1
Signalling Type	Steady
Supply Voltage Limits	6...30 V AC/DC
Current Consumption	15 mA
Surge Withstand	1 kV in contact conforming to IEC 61000-4-5 2 kV in free air conforming to IEC 61000-4-5

## 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

Disclaimer: 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

Standards	JIS C 852 IEC 60947-5-5 JIS C 4520 UL 508 CSA C22.2 No 14 IEC 60947-5-1 IEC 60947-1
Product Certifications	UL GOST CSA CCC
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
Resistance To Fast Transients	2 kV conforming to IEC 61000-4-4
Resistance To Electromagnetic Fields	10 V/m conforming to IEC 61000-4-3
Resistance To Electrostatic Discharge	6 kV on contact (on metal parts) conforming to IEC 61000-2-6 8 kV in free air (in insulating parts) conforming to IEC 61000-2-6
Electromagnetic Emission	Class B conforming to IEC 55011

## Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	0.600 cm
Package 1 Width	1.700 cm
Package 1 Length	4.700 cm
Package 1 Weight	2.200 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5
Package 2 Height	2.000 cm
Package 2 Width	3.000 cm
Package 2 Length	6.500 cm
Package 2 Weight	16.000 g
Unit Type Of Package 3	S01
Number Of Units In Package 3	660
Package 3 Height	15.000 cm
Package 3 Width	15.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	2.275 kg

## Contractual warranty

Warranty	18 months
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## Sustainability



**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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 >](#)

## Well-being performance

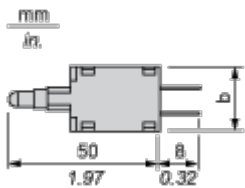
 Mercury Free	
 Rohs Exemption Information	<a href="#">Yes</a>
Reach Regulation	<a href="#">REACH Declaration</a>
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)
China Rohs Regulation	<a href="#">China RoHS declaration</a>
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	No need of specific recycling operations

Dimensions Drawings

Body for Pilot Light

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Dimensions

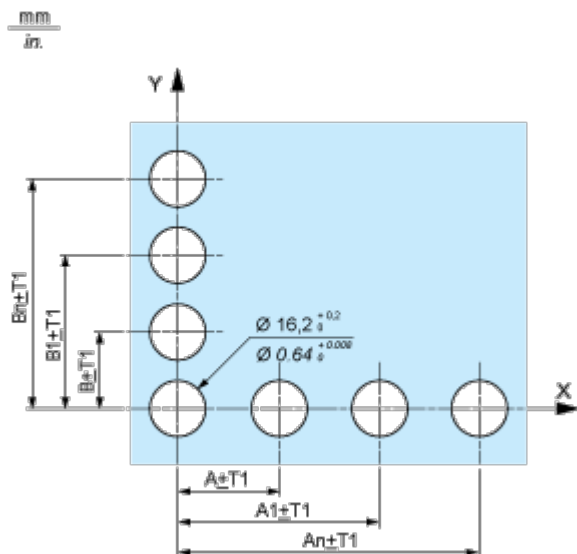


b 15.5 mm/0.61 in.

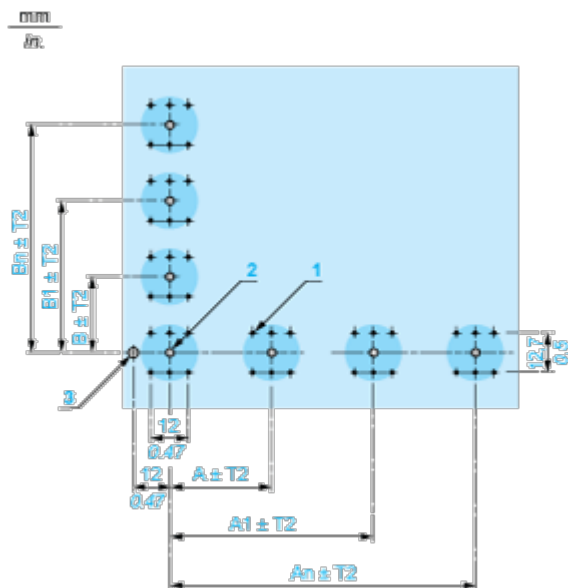
## Mounting and Clearance

## 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)  $1 \times \varnothing 2.6^{+0.0}_{-0.2}$  mm /  $1 \times \varnothing 0.10^{+0.0}_{-0.008}$  in. hole for locating pin, only when using socket adaptor ZB6Y010.

(3)  $1 \times \emptyset 3.2_{-0.2}^0 \text{ mm} / 1 \times \emptyset 0.13_{-0.008}^0 \text{ in.}$  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).

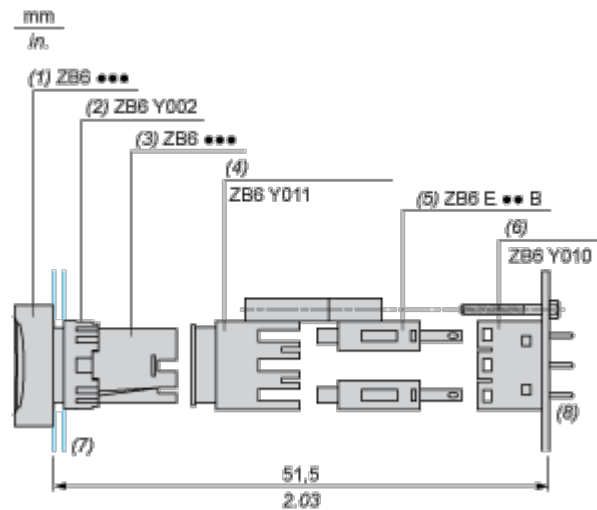
**General tolerances of the panel and printed circuit board: T1, T2:  $T1 + T2 = 0.3 \text{ mm}/0.01 \text{ in.}$  maximum.**

Installation precautions:

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

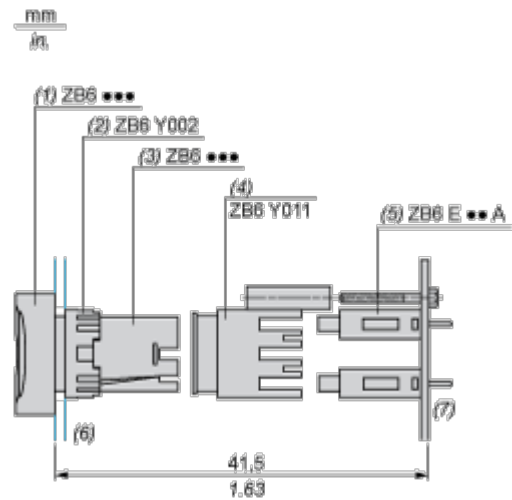
Mounting with Body Bracket

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

