Product datasheet

Specifications

Green Premium™

green flush illuminated pushbutton head Ø16 spring return 12...24V

ZB6AW3

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	16 mm
Sale Per Indivisible Quantity	1
Shape Of Signaling Unit Head	Round
Type Of Operator	spring return
Operator Profile	Green flush, unmarked

Complementary

Cad Overall Width	18 mm
Cad Overall Height	18 mm
Cad Overall Depth	33 mm
Net Weight	0.016 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 4 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94 NEMA 13 conforming to CSA C22.2 No 94
Standards	EN/IEC 60947-5-1 EN/IEC 60947-1 EN/IEC 60947-5-5 JIS C8201-5-1 UL 508 JIS C 852 CSA C22.2 No 14 JIS C8201-1

Product Certifications	GOST
	UL
	CCC
	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

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	2.000 cm
Package 1 Width	8.000 cm
Package 1 Length	8.000 cm
Package 1 Weight	8.000 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	80
Package 2 Height	15.000 cm
Package 2 Width	15.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	803.000 g

Contractual warranty

Warranty	12 months

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Sustainability

Green Premium^{TM} 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_2 products.

Learn more ›

Transparency   RoHS/REACh

Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ 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)

                                         EU RoHS Declaration

China Rohs Regulation   China RoHS declaration
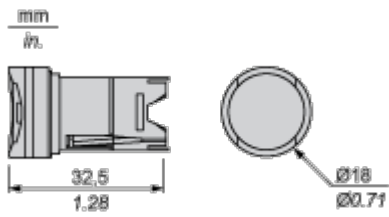
Environmental Disclosure   Product Environmental Profile

Circularity Profile   End of Life Information

Dimensions Drawings

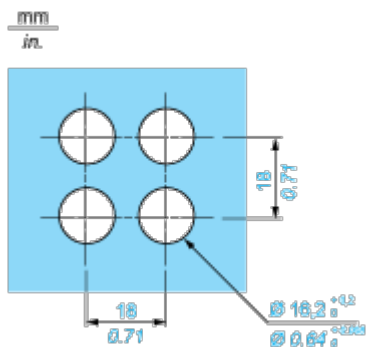**Circular Head for Illuminated or Non Illuminated Pushbutton**

Dimensions

mm
in.

32,5
1.28

Ø18
Ø0.71

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)   1 x Ø $2.6^{0}_{-0.2}$ mm / 1 x Ø $0.10^{0}_{-0.008}$ in. hole for locating pin, only when using socket adaptor ZB6Y010.

(3)   1 x Ø $3.2^{0}_{-0.2}$ mm / 1 x Ø $0.13^{0}_{-0.008}$ 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.
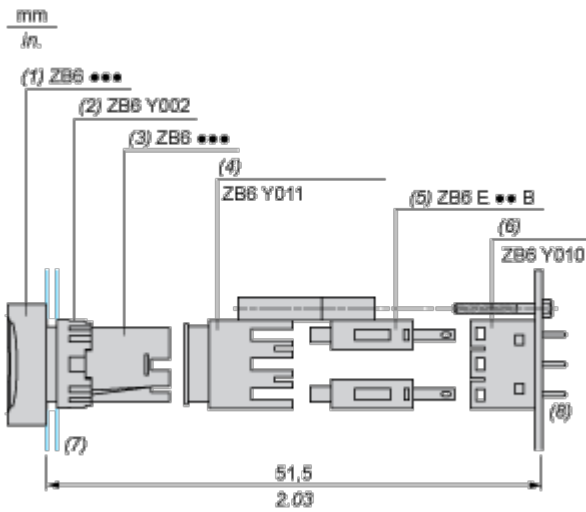**Installation precautions:**

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

Mounting with Body Bracket

With socket adaptor ZB6Y010

mm
in.

(1) ZB6 •••
(2) ZB6 Y002
(3) ZB6 •••
(4) ZB6 Y011
(5) ZB6 E •• B
(6) ZB6 Y010
(7)
(8)

51,5
2.03

(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) ZB6 •••
(2) ZB6 Y002
(3) ZB6 •••
(4) ZB6 Y011
(5) ZB6 E •• A
(6)
(7)

41,5
1.63
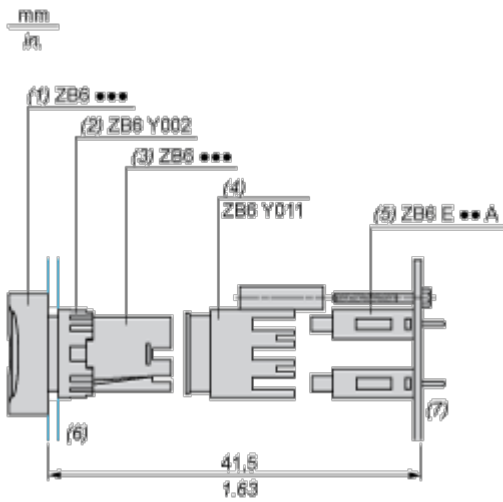
(1)   Head

(2)   Nut

(3)   Body

(4)   Body bracket

(5)   Contact block

(6)   Panel

(7)   Printed circuit