Product data sheet

Specifications

orange square projecting illuminated pushbutton head Ø16 spring return 12...24V

ZB6CE8

⚠ **Discontinued on:** Jan 29, 2021

⚠ **Discontinued**

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	Square
Type Of Operator	spring return
Operator Profile	Orange projecting, unmarked

Complementary

Cad Overall Width	18 mm
Cad Overall Height	18 mm
Cad Overall Depth	36 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	UL 508
	EN/IEC 60947-1
	CSA C22.2 No 14
	JIS C 852
	JIS C8201-5-1
	EN/IEC 60947-5-1
	EN/IEC 60947-5-5
	JIS C8201-1
Product Certifications	GOST
	CCC
	CSA
	UL
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

Contractual warranty

Warranty	18 months

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.

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

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

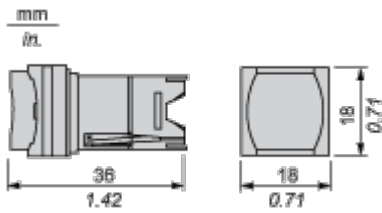✓ Mercury Free

✓ 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
California Proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Dimensions Drawings

Square Head for Illuminated or Non Illuminated Pushbutton

Dimensions

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Mounting and Clearance

Panel Cut-out

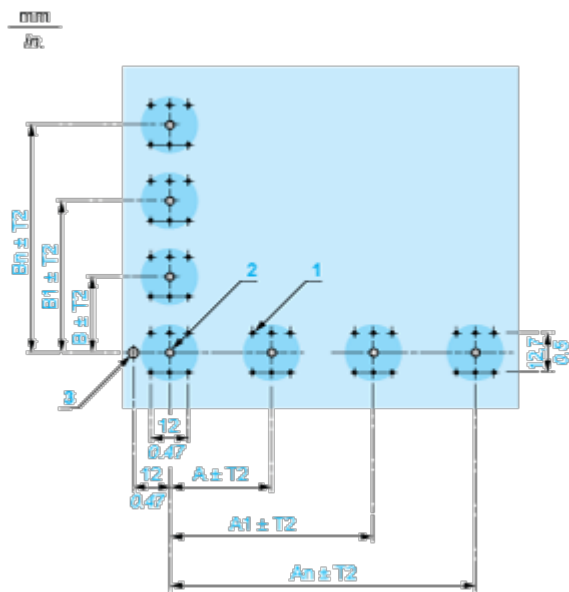**For Square or Circular Head**

mm
in.

18
0.71

18
0.71

Ø 16.2 +0.2
Ø 0.64

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

Front Panel Cut-out (Viewed from Installer's Side)

$\dfrac{mm}{in.}$

Ø 16,2 $^{+0.2}_{0}$
Ø 0.64 $^{+0.008}_{0}$

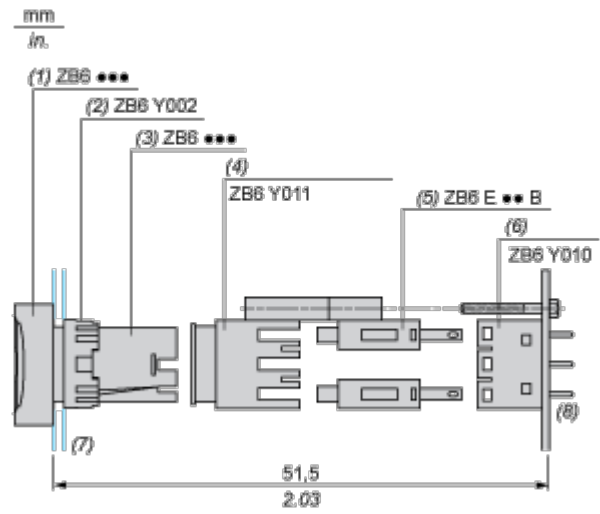### Printed Circuit Board Drillings (Viewed from Electrical Block Side)

$\dfrac{mm}{in.}$

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:

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