Product datasheet





Head for illuminated push button, Harmony XB6, white rectang projecting pushbutton Ø 16 spring return 12...24 V

ZB6DE1

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	Rectangular	
Type Of Operator	spring return	
Operator Profile	White projecting, unmarked	

Complementary

	=	
Cad Overall Width	24 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	-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 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 JIS C 852 CSA C22.2 No 14 JIS C8201-5-1 EN/IEC 60947-5-5 UL 508 JIS C8201-1

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Product Certifications	GOST
	UL
	CSA
	CCC
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	8.0 cm
Package 1 Width	2.1 cm
Package 1 Length	6.4 cm
Package 1 Weight	17.0 g

Contractual warranty

Warranty 18 months



Green PremiumTM 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-CO₂ products.

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

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Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

⊘	Reach Free Of Svhc	
②	Toxic Heavy Metal Free	
9	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

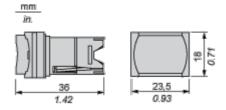
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

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Dimensions Drawings

Rectangular Head for Illuminated or Non Illuminated Pushbutton

Dimensions



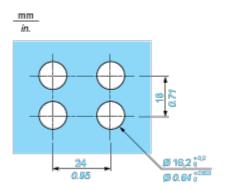
Product datasheet

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Mounting and Clearance

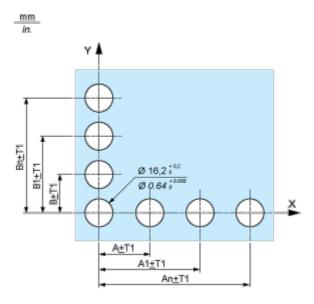
Panel Cut-out

For Rectangular Head

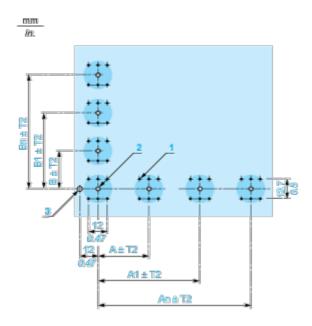


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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:

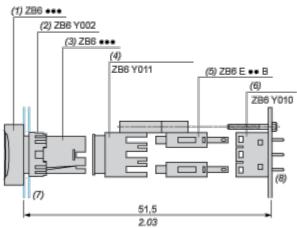
ZB6DE1

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

Mounting with Body Bracket

With socket adaptor ZB6Y010

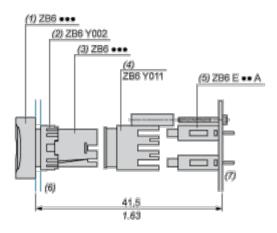




- (1) Head
- (2) Nut
- (3) Body
- (4) Body bracket
- (5) Contact block
- (6) Socket adaptor
- (7) Panel
- (8) Printed circuit

Direct mounting without socket adaptor ZB6Y010





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