Product datasheet

Specifications





Head for illuminated push button, Harmony XB6, white rectangular flush, 16mm, integral LED, latching, unmarked

ZB6DF1

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	latching	
Operator Profile	White flush, unmarked	

Complementary

Cad Overall Width	24 mm	
Cad Overall Height	18 mm	
Cad Overall Depth	33 mm	
Net Weight	0.016 kg	
Resistance To High Pressure Washer	7000000 Pa at 55 °C, distance : 0.1 m	
Mechanical Durability	300000 cycles	

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 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	EN/IEC 60947-5-5 EN/IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-5-1 EN/IEC 60947-1 UL 508 JIS C 852 JIS C8201-1	
Product Certifications	GOST CCC UL CSA	
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	3.0 cm
Package 1 Width	11.0 cm
Package 1 Length	11.0 cm
Package 1 Weight	8.0 g
Unit Type Of Package 2	S01
Number Of Units In Package 2	80
Package 2 Height	15.0 cm
Package 2 Width	15.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	846.0 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

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

Certifications & Standards

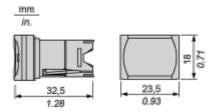
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information

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Dimensions Drawings

Rectangular Head for Illuminated or Non Illuminated Pushbutton

Dimensions



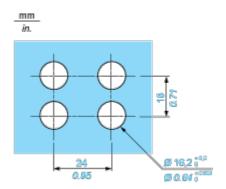
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Mounting and Clearance

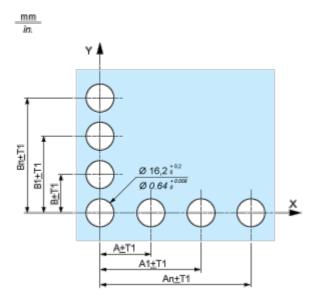
Panel Cut-out

For Rectangular Head

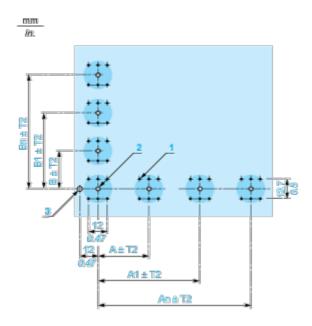


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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:

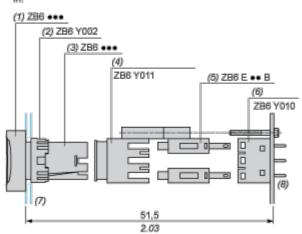
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Thickness of printed circuit board: 1.6 mm/0.06 in. minimum.

Mounting with Body Bracket

With socket adaptor ZB6Y010

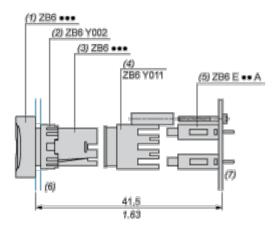




- (1) Head
- (2) Nut
- (3) Body
- (4) Body bracket
- (5) Contact block
- (6) Socket adaptor
- (7) Panel
- (8) Printed circuit

Direct mounting without socket adaptor ZB6Y010





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