

Product datasheet

Specifications



pushbutton head ZB6DW3 sold by 100

ZB6DW3TQ

⚠ Discontinued on: 1 Nov 2020

⚠ 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 | 10 |
| Shape Of Signaling Unit Head | Rectangular |
| Type Of Operator | spring return |
| Operator Profile | Green flush, unmarked |

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 60947-5-5 EN/IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-5-1 EN/IEC 60947-1 JIS C 852 UL 508 JIS C8201-1 |
| Product Certifications | GOST CSA UL 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 |

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

| | |
|------------------|---|
| 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 |
| | |

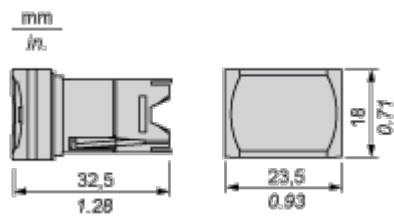
Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions Drawings

Rectangular Head for Illuminated or Non Illuminated Pushbutton

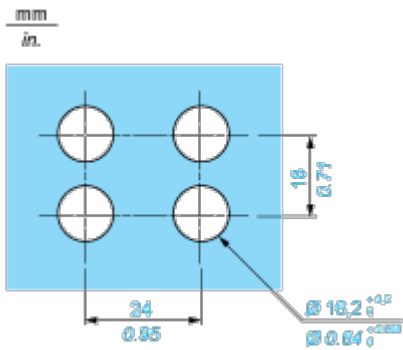
Dimensions



Mounting and Clearance

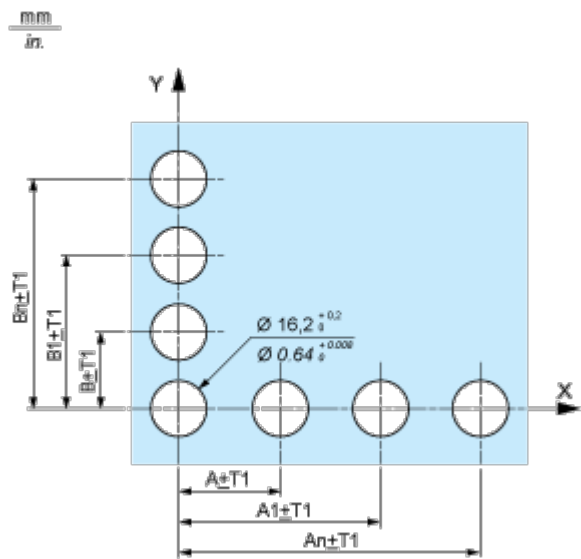
Panel Cut-out

For Rectangular Head

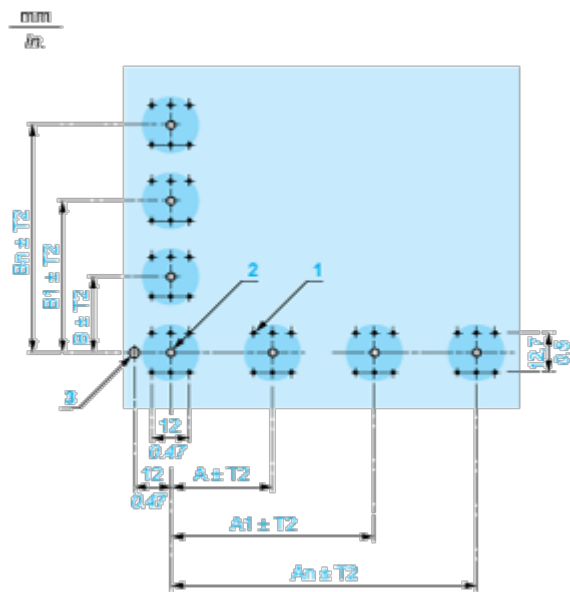


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



Printed Circuit Board Drillings (Viewed from Electrical Block Side)



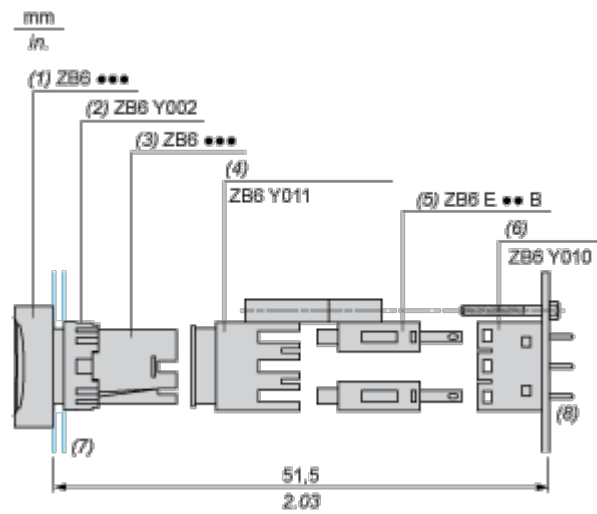
- A 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
- B 18 mm/0.71 in. minimum
- (1) 6 x $\varnothing 1.1$ mm / 6 x $\varnothing 0.04$ in. holes.
- (2) 1 x $\varnothing 2.6^{0}_{-0,2}$ mm / 1 x $\varnothing 0.10^{0}_{-0,008}$ in. hole for locating pin, only when using socket adaptor ZB6Y010.
- (3) 1 x $\varnothing 3.2^{0}_{-0,2}$ mm / 1 x $\varnothing 0.13^{0}_{-0,008}$ 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.

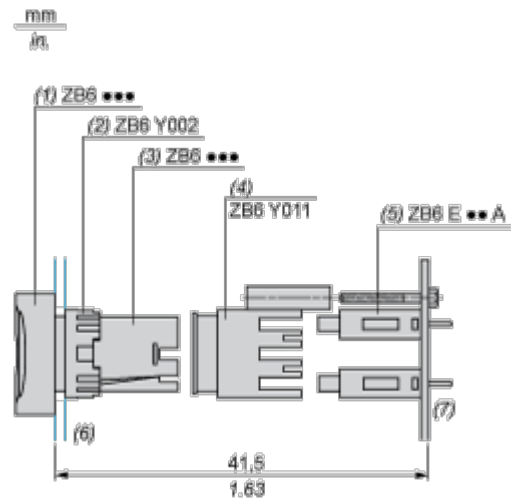
Mounting with Body Bracket

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

