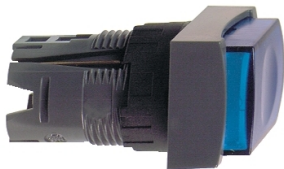


Product data sheet

Specifications



blue rectang projecting illuminated
pushbutton head Ø16 spring return
12...24V

ZB6DE6

⚠ 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 | Rectangular |
| Type Of Operator | spring return |
| Operator Profile | Blue 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 | -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 |

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

| | |
|------------------------|---|
| Standards | EN/IEC 60947-5-1 |
| | EN/IEC 60947-5-5 |
| | JIS C8201-5-1 |
| | CSA C22.2 No 14 |
| | UL 508 |
| | JIS C 852 |
| | EN/IEC 60947-1 |
| Product Certifications | JIS C8201-1 |
| | CCC |
| | CSA |
| | GOST |
| Vibration Resistance | UL |
| | +/- 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™ 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-CO₂ 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

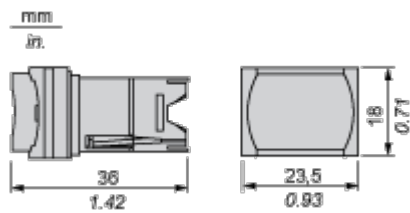
Certifications & Standards

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

Rectangular Head for Illuminated or Non Illuminated Pushbutton

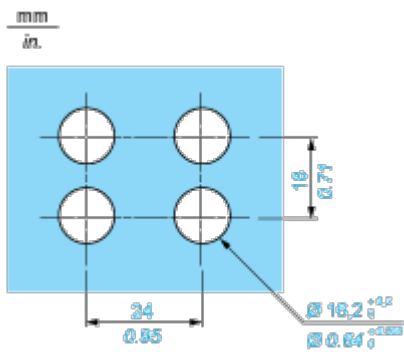
Dimensions



Mounting and Clearance

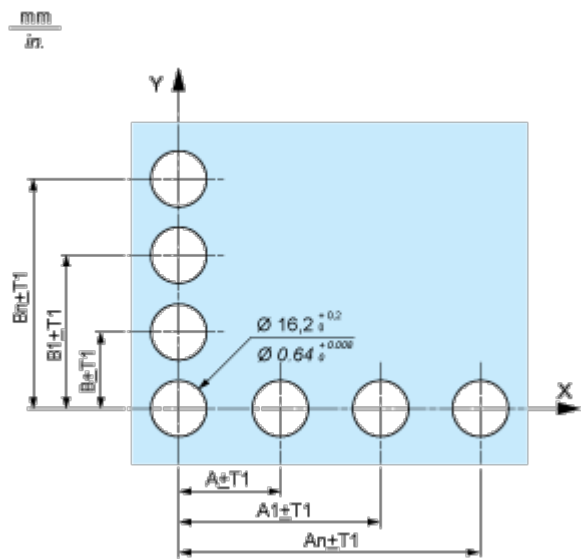
Panel Cut-out

For Rectangular Head

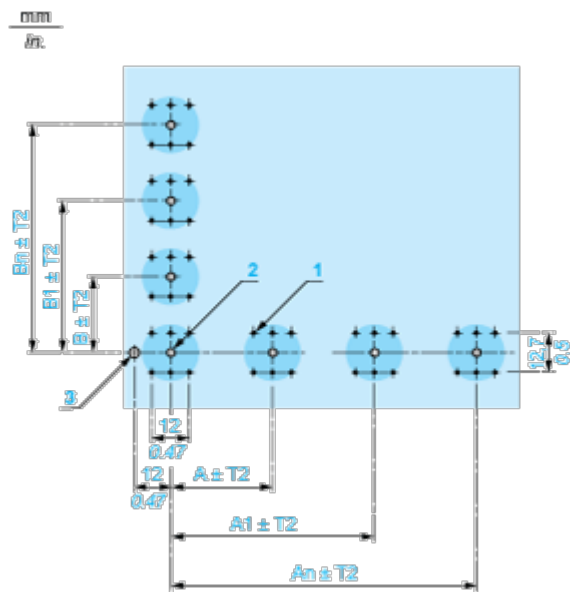


Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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



Printed Circuit Board Drillings (Viewed from Electrical Block Side)



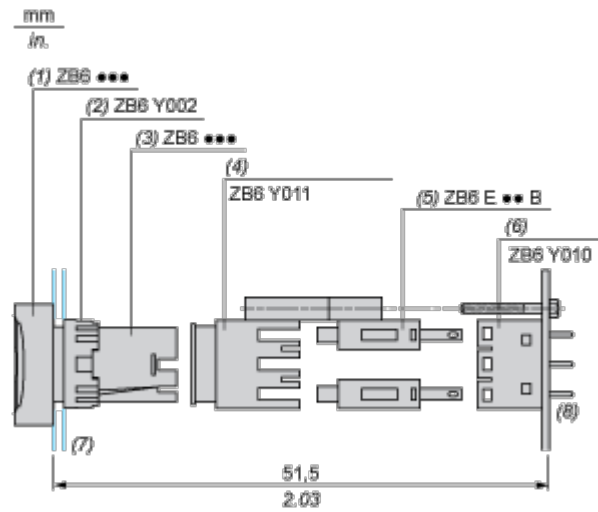
- A 24 mm/0.94 in. minimum for rectangular heads, 18 mm/0.71 in. minimum for square or circular heads
- B 18 mm/0.71 in. minimum
- (1) 6 x $\varnothing 1.1$ mm / 6 x $\varnothing 0.04$ in. holes.
- (2) 1 x $\varnothing 2.6^{0}_{-0,2}$ mm / 1 x $\varnothing 0.10^{0}_{-0,008}$ in. hole for locating pin,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

