ZB6AA6
blue flush pushbutton head Ø16 spring return unmarked

Main

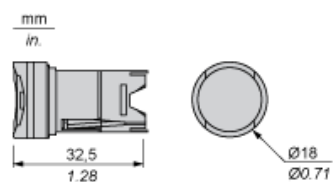|	
Range of product	Harmony XB6
Product or component type	Head for non-illuminated push-button
Device short name	ZB6
Bezel material	Plastic
Mounting diameter	16 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Spring return
Operator profile	Blue flush unmarked

Complementary

CAD overall width	18 mm
CAD overall height	18 mm
CAD overall depth	33 mm
Product weight	0.016 kg

Environment

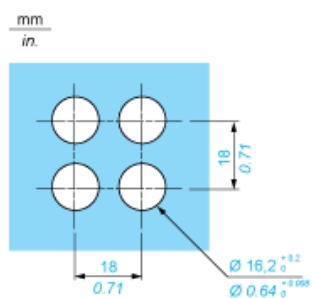|	
Protective treatment	TC
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Class of protection against electric shock	Class II conforming to IEC 61140
IP degree of protection	IP65 conforming to IEC 60529
NEMA degree of protection	NEMA 4X conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 NEMA 13 conforming to CSA C22.2 No 94 NEMA 4X conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 13 conforming to UL 50
Standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-5 JIS C 4520 JIS C 852 UL 508 CSA C22.2 No 14
Product certifications	CCC CSA GOST UL
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6 +/- 3 mm (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Schneider Electric

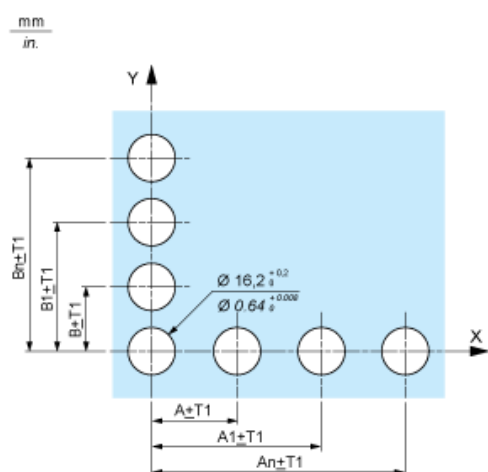## Circular Head for Illuminated or Non Illuminated Pushbutton

Dimensions

Panel Cut-out

For Square or Circular Head

$$\frac{mm}{in.}$$

18 / 0.71

18 / 0.71

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

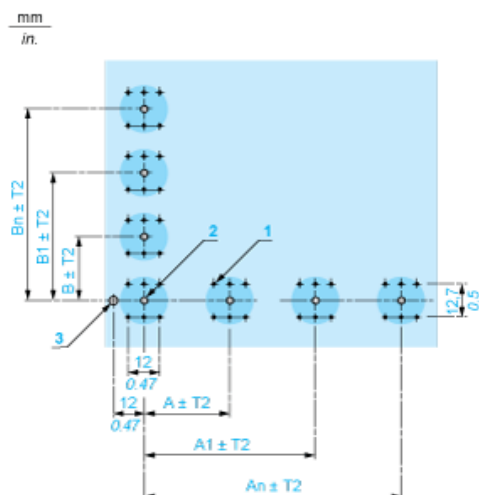## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

$$\frac{mm}{in.}$$

Y

Bn±T1
B1±T1
B±T1

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

X

A±T1
A1±T1
An±T1

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) 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).
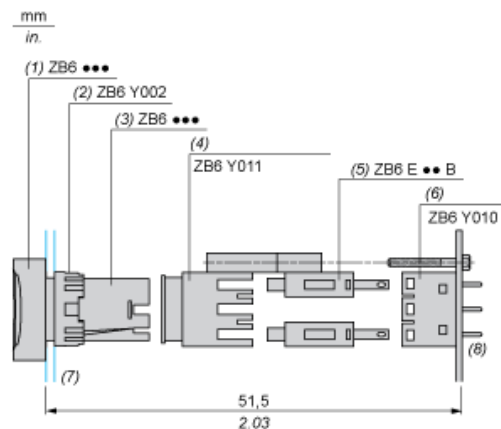
General tolerances of the panel and printed circuit board: T1, T2: T1 + T2 = 0.3 mm/0.01 in. maximum.

Installation precautions:

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

Mounting with Body Bracket

With socket adaptor ZB6Y010
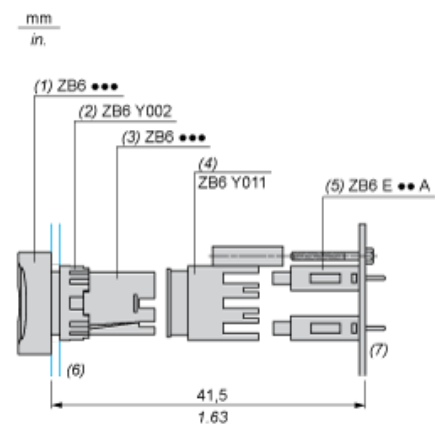

(1) Head
(2) Nut
(3) Body
(4) Body bracket
(5) Contact block
(6) Socket adaptor
(7) Panel
(8) Printed circuit

Direct mounting without socket adaptor ZB6Y010

$$\frac{mm}{in.}$$

(1) ZB6 ●●●
(2) ZB6 Y002
(3) ZB6 ●●●
(4) ZB6 Y011
(5) ZB6 E ●● A

(6)

(7)

41,5
1.63

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

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