Product data sheet
Characteristics

ZB6CW9
flush pushbutton head Ø16 spring return with 6 coloured caps

Product availability: Non-Stock - Not normally stocked in distribution facility

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	0.63 in (16 mm)
Sale per indivisible quantity	1
Shape of signaling unit head	Square
Type of operator	Spring return
Operator profile	6 colors choice flush unmarked
Operator additional information	Set of 6 color caps

Complementary

Product weight	0.04 lb(US) (0.016 kg)

Environment

Protective treatment	TC
Ambient air temperature for storage	-40...158 °F (-40...70 °C)
Ambient air temperature for operation	-13...158 °F (-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 4 conforming to CSA C22.2 No 94 NEMA 13 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94 NEMA 13 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 4X conforming to UL 50
Standards	JIS C 4520 EN/IEC 60947-5-1 EN/IEC 60947-5-5 UL 508 JIS C 852 CSA C22.2 No 14 EN/IEC 60947-1
Product certifications	CSA UL GOST 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
Shock resistance	30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27

Ordering and shipping details

Category	22459 - PUSHBUTTONS, 16MM
Discount Schedule	CS2
GTIN	00785901362098
Nbr. of units in pkg.	1
Package weight(Lbs)	0.02
Returnability	N
Country of origin	ES

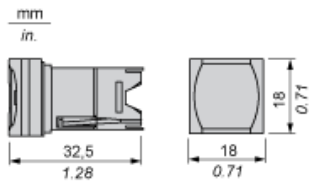## Offer Sustainability

California proposition 65	WARNING: This product can expose you to chemicals including:
- - - - - - - Substance 1	Nickel compounds, which is known to the State of California to cause cancer, and
- - - - - - - Substance 2	Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.
- - - - - - - More information	For more information go to www.p65warnings.ca.gov

Contractual warranty

Warranty period	18 months

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Square Head for Illuminated or Non Illuminated Pushbutton

Dimensions

Panel Cut-out

For Square or Circular Head

$\dfrac{mm}{in.}$

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)

$\dfrac{mm}{in.}$

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

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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

$\dfrac{mm}{in.}$

(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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