

Product data sheet

Specifications



Harmony XB5, Flush mounted push button head, plastic, recessed, white, Ø30, spring return, unmarked, grey bezel

ZB5FA16C0

Main

Range of product Harmony XB5

Product or component type Head for non-illuminated push-button

Device short name ZB5

Product compatibility
ZBYF...
ZBZF32
ZBZF33
ZB5AZ

Bezel material Plastic colour plated grey

Mounting diameter 30.5 mm

Head type Built-in-flush

Sale per indivisible quantity 1

Shape of signaling unit head Round

Type of operator spring return

Operator profile White recessed, unmarked

Operator additional information High guard

Complementary

CAD overall width 37 mm

CAD overall height 37 mm

CAD overall depth 30 mm

Net weight 0.03 kg

Mechanical durability 10000000 cycles

Electrical composition code
C1 for <9 contacts using single blocks in front mounting
C2 for <9 contacts using single and double blocks in front mounting
C11 for <3 contacts using single blocks in front mounting
C15 for <1 contacts using single blocks in front mounting
SF1 for <3 contacts using single blocks in front mounting

Device presentation Basic element

Environment

Protective treatment TH

Ambient air temperature for storage -40...70 °C

Ambient air temperature for operation	-40...70 °C
Overvoltage category	Class II conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529 IP67 conforming to IEC 60529
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
IK degree of protection	IK03 conforming to IEC 50102
Product certifications	BV CSA DNV LROS (Lloyds register of shipping) GL UL listed
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 25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27
Vibration resistance	5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6 2 mm peak to peak (f= 2...10 Hz) conforming to IEC 60068-2-6

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	5.45 cm
Package 1 Width	4.3 cm
Package 1 Length	5.2 cm
Package 1 Weight	22.0 g

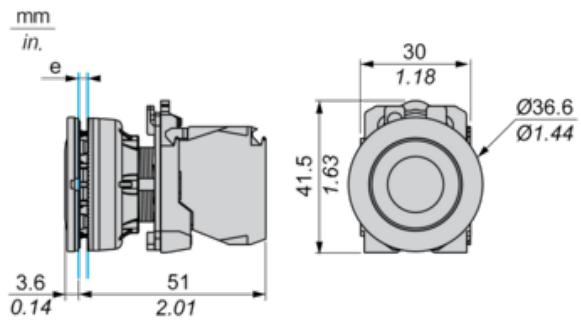
Offer Sustainability

REACH Regulation	REACH Declaration
REACH free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
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

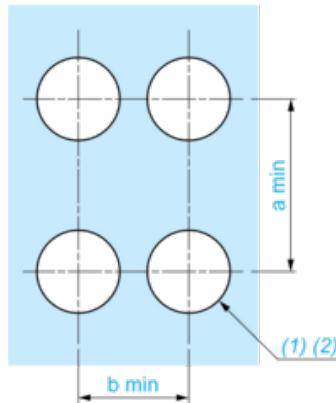
Contractual warranty

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

Dimensions



e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

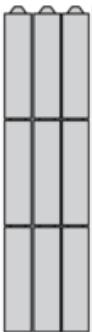
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)**Connection by Screw Clamp Terminals or Plug-in Connectors**

(1) Diameter on finished panel or support

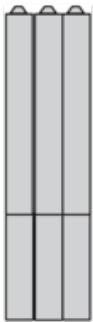
(2) Ø30.75 mm recommended ($\text{Ø}30.5^{+0.5}_0$) / Ø1.21 in. recommended ($\text{Ø}1.20 \text{ in.}^{+0.0196}_0$)

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	40	1.57
By Faston connectors	45	1.77	40	1.57

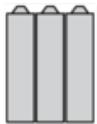
Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2

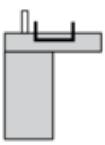


Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

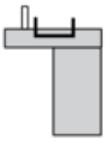


Electrical Composition Corresponding to Code C15

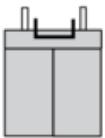
1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C



Legend

Single contact



Double contact



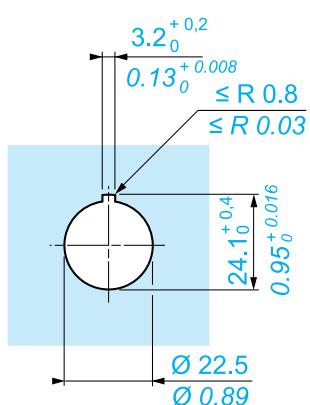
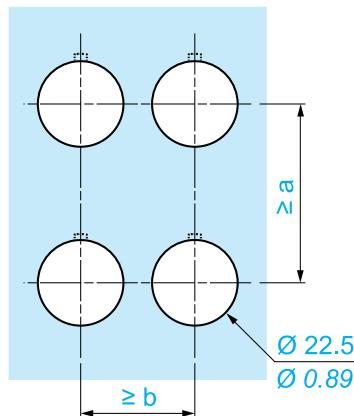
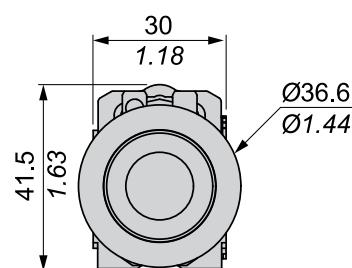
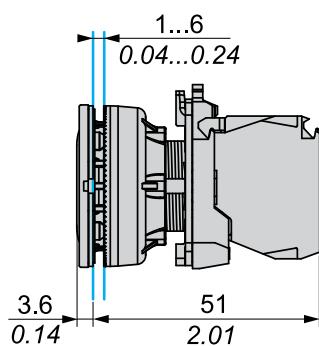
Light block



Possible location



Dimensions

mm
in.

	a (mm)	a (in.)	b (mm)	b (in.)
ZBE●●●●● ZBV●●●●	40	1.57	30	1.18
ZBE●●●●●3 ZBV●●●●3	45	1.77	32	1.26
ZBE●●●●●4 ZBV●●●●4	40	1.57	30	1.18
ZBE●●●●●5 ZBV●●●●5	50	1.97	30	1.18
ZBE●●●●●9 ZBV●●●●9	40	1.57	30	1.18
ZBRT● ZBRV1	40	1.57	30	1.18

Recommended replacement(s)