

# Product data sheet

Specifications



Head for non illuminated push button, Harmony XB5, flush mounted black flush caps pushbutton push

ZB5FH02

## Main

**Range of product** Harmony XB5

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

**Device short name** ZB5F

**Product compatibility**  
ZBYF...  
ZBZF32  
ZBZF33  
ZB5AZ

**Bezel material** Dark grey plastic

**Mounting diameter** 30.5 mm

**Head type** Built-in-flush

**Sale per indivisible quantity** 1

**Shape of signaling unit head** Round

**Type of operator** push-push

**Operator profile** Black flush, unmarked

## Complementary

**CAD overall width** 37 mm

**CAD overall height** 37 mm

**CAD overall depth** 30 mm

**Net weight** 0.03 kg

**Mechanical durability** 500000 cycles

**Electrical composition code**  
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  
C9 for <3 contacts using single blocks in front mounting

## 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  
 IP69 conforming to IEC 60529  
 IP69K conforming to ISO 20653  
 Type 13 conforming to UL 50 E  
 Type 12 conforming to UL 50 E  
 Type 4 conforming to UL 50 E  
 Type 4X conforming to UL 50 E

<b>Resistance to high pressure washer</b>	7000000 Pa at 55 °C, distance : 0.1 m
<b>IK degree of protection</b>	IK03 conforming to IEC 50102
<b>Standards</b>	UL 508 EN/IEC 60947-5-4 EN/IEC 60947-1 JIS C8201-5-1 EN/IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1
<b>Product certifications</b>	UL listed CSA
<b>Shock resistance</b>	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
<b>Vibration resistance</b>	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

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.3 cm
<b>Package 1 Width</b>	5.3 cm
<b>Package 1 Length</b>	5.5 cm
<b>Package 1 Weight</b>	25.0 g

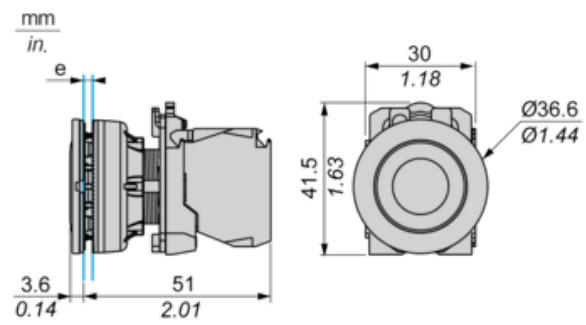
## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>California proposition 65</b>	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 <a href="#">www.P65Warnings.ca.gov</a>

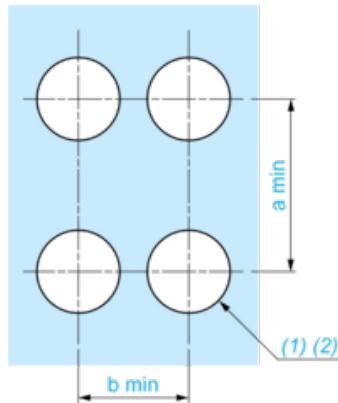
## Contractual warranty

<b>Warranty</b>	18 months
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### 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**

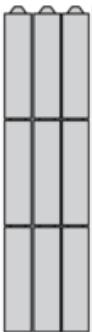
(1) Diameter on finished panel or support

(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

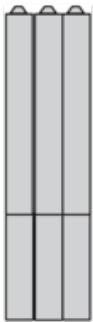
**Electrical Composition Corresponding to Code C1**

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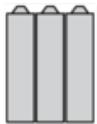
**Electrical Composition Corresponding to Code C2**

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

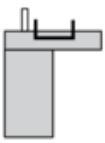
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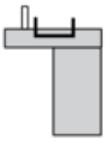
### Electrical Composition Corresponding to Code C15

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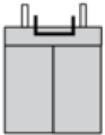
1 N/O



1 N/C



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



### Legend

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Single contact



Double contact



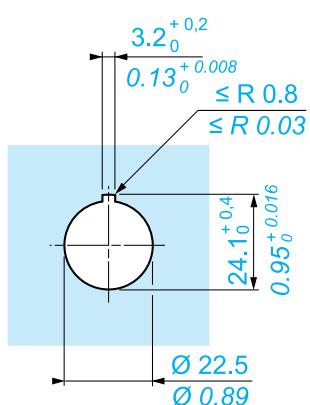
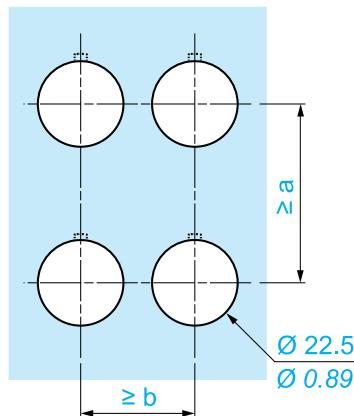
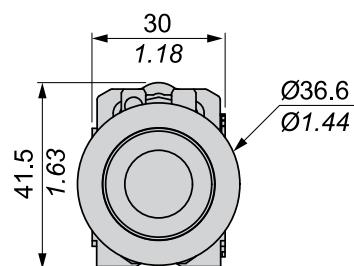
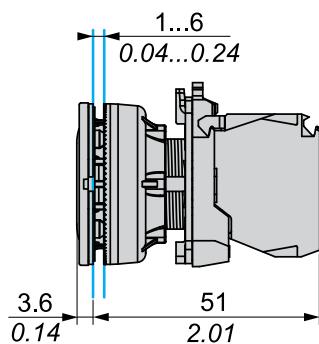
Light block



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)