



Flush mounted push button head, Harmony XB5, plastic, white, 30mm, spring return, unmarked

ZB5FA1

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	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	spring return		
Operator profile	White flush, unmarked		

Complementary

CAD overall width	37 mm
CAD overall height	37 mm
CAD overall depth	30 mm
Product 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	-4070 °C
Ambient air temperature for operation	-4070 °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
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
IK degree of protection	IK03 conforming to IEC 50102
Standards	UL 508 IEC 60947-5-4 IEC 60947-1 JIS C8201-5-1 IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1 ISO 21702 ISO 22196:2011
Product certifications	UL listed CSA LROS (Lloyds register of shipping) BV DNV GL
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= 10500 Hz) conforming to IEC 60068-2-6 2 mm peak to peak (f= 210 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	5.6 cm
Package 1 Width	4.3 cm
Package 1 Length	5.2 cm
Package 1 Weight	22 g
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	4.3 cm
Package 2 Width	5.6 cm
Package 2 Length	26 cm
Package 2 Weight	118 g
Unit Type of Package 3	S02
Number of Units in Package 3	40
Package 3 Height	15 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	1.28 kg

Contractual warranty

Warranty

21 Oct 2024

18 months



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Transparency RoHS/REACh

Well-being performance

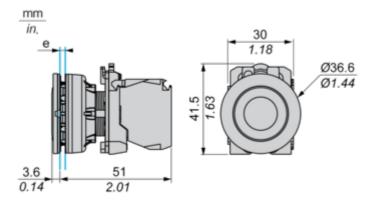
⊘	Reach Free Of Svhc	
②	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

Reach Regulation	REACh Declaration			
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)			
China Rohs Regulation	China RoHS declaration			
Environmental Disclosure	Product Environmental Profile			
Circularity Profile	End of Life Information			

Dimensions Drawings

Dimensions



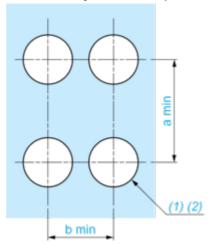
e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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Mounting and Clearance

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 (Ø30.5 $_0^{+0.5}$) / Ø1.21 in. recommended (Ø1.20 in. $_0^{+0.0196}$)

•				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

Technical Description

Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2



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



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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

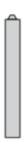


Legend

Single contact



Double contact



Light block

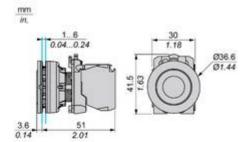


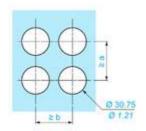
Possible location



Technical Illustration

Dimensions





	a (mm)	8 (in.)	b (mm)	b (in.)
ZBE ZBV	40	1.57	40	1.57
ZBE••••3 ZBV•••3	45	1.77	40	1.57
ZBE 4 ZBV 4	40	1.57	40	1.57

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB5



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Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative







