



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

ZB5FA2

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	Black 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

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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	IEC 60947-5-1
	JIS C8201-5-1
	IEC 60947-5-4
	CSA C22.2 No 14
	UL 508
	IEC 60947-1
	JIS C8201-1
	ISO 21702
	ISO 22196:2011
Product certifications	DNV
	GL
	CSA
	UL listed
	LROS (Lloyds register of shipping)
	BV
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	4.3 cm
Package 1 Width	5.4 cm
Package 1 Length	5.6 cm
Package 1 Weight	24.0 g
Unit Type of Package 2	S02
Number of Units in Package 2	80
Package 2 Height	15.0 cm
Package 2 Width	30.0 cm
Package 2 Length	40.0 cm
Package 2 Weight	2.211 kg

Contractual warranty

Warranty 18 months



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Transparency RoHS/REACh

Well-being performance

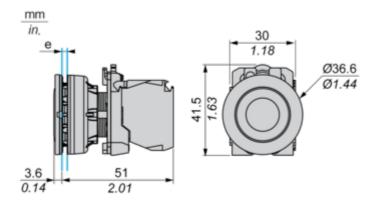
⊘	Reach Free Of Svhc	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

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



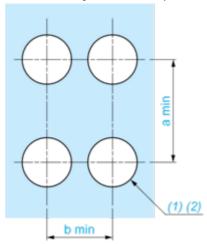
e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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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. $_0^{+0.0196}$)

Ŭ			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



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

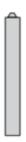


Legend

Single contact



Double contact



Light block



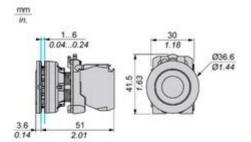
Possible location

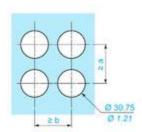


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Technical Illustration

Dimensions





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

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB5



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative







