

Harmony XB5, Antimicrobial Flush mounted push button head, plastic, projecting, red, 30mm, spring return, unmarked, dark grey bezel

ZB5FL4

#### 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	unit head Round		
Type of operator	spring return		
Operator profile	Red projecting unmarked		

# Complementary

Device presentation	Basic element	
	SF1 for <3 contacts using single blocks in front mounting	
	C15 for <1 contacts using single blocks in front mounting	
	C11 for <3 contacts using single blocks in front mounting	
	C2 for <9 contacts using single and double blocks in front mounting	
Electrical composition code	C1 for <9 contacts using single blocks in front mounting	
Mechanical durability 10000000 cycles		
Net weight	0.031 kg	
CAD overall depth	32 mm	
CAD overall height	37 mm	
CAD overall width	37 mm	

# **Environment**

protective treatment	тн
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	UL 508				
	IEC 60947-5-1				
	JIS C8201-5-1				
	CSA C22.2 No 14				
	IEC 60947-5-4				
	IEC 60947-1				
	JIS C8201-1				
product certifications	CSA				
	BV				
	LROS (Lloyds register of shipping)				
	GL				
	DNV				
	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= 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	4.57 cm
Package 1 Width	5.59 cm
Package 1 Length	5.59 cm
Package 1 Weight	0.02 kg

# **Contractual warranty**

Warranty 18 months



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Transparency RoHS/REACh

# Well-being performance

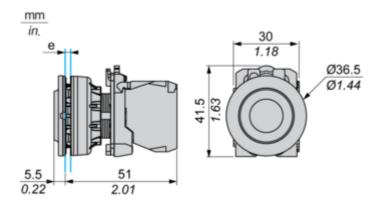
	Reach Free Of Svhc	
<b>⊘</b>	Mercury Free	
<b>⊘</b>	Rohs Exemption Information	Yes

#### **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.

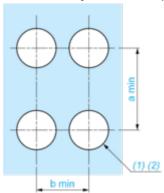
# **Product datasheet**

#### ZB5FL4

# 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.  $_0^{+0.0196}$ )

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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

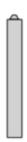


# Legend

Single contact



Double contact



Light block

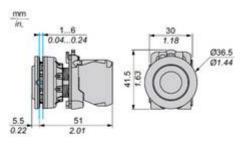


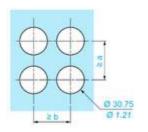
Possible location



# **Technical Illustration**

# **Dimensions**





		a (mm)	a (in.)	b (mm)	b (in.)
ZBE•••••	ZBV	40	1.57	40	1.57
ZBE3	₽₩ <b></b> 3	45	1,77	40	1.57
ZBE••••4	ZBV••••4	40	1.57	40	1.57