## **ZB5FA142**

Harmony XB5, Antimicrobial Flush mounted push button head, plastic, white, Ø30, spring return, marked MARCHE, dark grey bezel





#### 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	Spring return
Operator profile	White flush, MARCHE (black)

#### 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

#### 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 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not interested for a set of or determining suitability or intelability of these products for specific user applications. It is the documentation is not integrator to perform the appropriate and complete risk analysis, evaluating of the products with respect to the relevant specific application or use thereof. Neither Schmeider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

Standards	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
Product certifications	UL listed[RETURN]CSA
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	DCE

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	4.3 cm	
Package 1 Width	5.3 cm	
Package 1 Length	5.5 cm	
Package 1 Weight	24.0 g	

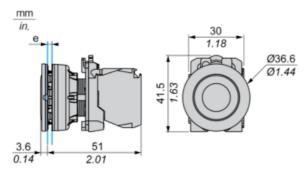
#### Offer Sustainability

Sustainable offer status Green Premium product		
REACh Regulation	<b>☑</b> REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
Mercury free	Yes	
China RoHS Regulation	<sup>™</sup> China RoHS Declaration	
RoHS exemption information	₽¥Yes	

#### Contractual warranty

- Contraction from the contract of	
Warranty	18 months

#### **Dimensions**

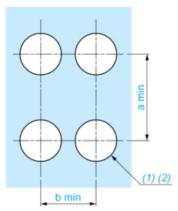


e: Clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

### **ZB5FA142**

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.  $_{0}$   $^{+0.0196}$ )

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

# Product data sheet Technical Description

## **ZB5FA142**

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		