Product data sheet

Specifications

Head for non illuminated push button, Harmony XB4, flush mounted red pushbutton recessed

ZB4FA46

Main

Range of product	Harmony XB4
Product or component type	Head for non-illuminated push-button
Device short name	ZB4F
Bezel material	Chromium plated metal
Mounting diameter	30.5 mm
Sale per indivisible quantity	1
Head type	Built-in-flush
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Red recessed, unmarked

Complementary

CAD overall width	36.6 mm
CAD overall height	36.6 mm
CAD overall depth	31 mm
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
Device presentation	Basic element

Environment

Protective treatment	TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-40…70 °C
Overvoltage category	Class I 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 50E Type 12 conforming to UL 50E

	Type 4 conforming to UL 50E
	Type 4X conforming to UL 50E
IK degree of protection	IK06 conforming to IEC 50102
Standards	CSA C22.2 No 14
	EN/IEC 60947-5-1
	EN/IEC 60947-5-4
	UL 508
	EN/IEC 60947-1
	JIS C8201-5-1
	CE
	JIS C8201-1
Product certifications	UL listed
	CSA
	CCC
	EAC
Vibration resistance	5 gn (f= 10…500 Hz) conforming to IEC 60068-2-6
	25 mm peak to peak (f= 2…10 Hz) conforming to IEC 60068-2-6
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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4.3 cm
Package 1 Width	5.2 cm
Package 1 Length	5.5 cm
Package 1 Weight	58.0 g

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
	EU RoHS Declaration
Toxic heavy metal free	Yes
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California proposition 65	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 www.P65Warnings.ca.gov

Contractual warranty

|	
Warranty	18 months

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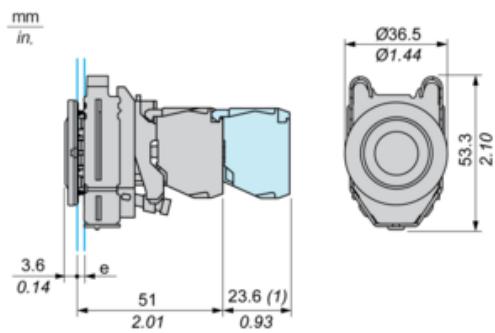
e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

(1) : Additional row of contacts

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors
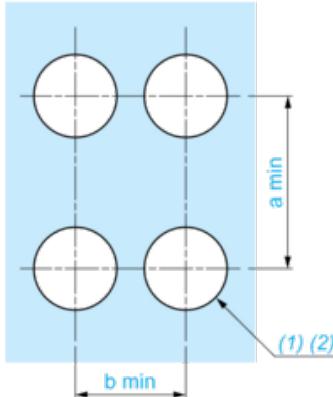
(1) : Diameter on finished panel or support

(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 connectors	50	1.97	40	1.57
By connectors and with legend holder ZBZF32	50	1.97	40	1.57
By connectors and with legend holder ZBZF33	60	2.36	40	1.57

Dec 30, 2022

Electrical Composition Corresponding to Code C1
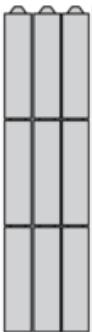
Electrical Composition Corresponding to Code C2
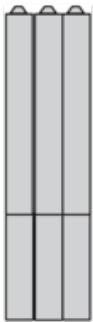
**Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1**

Electrical Composition Corresponding to Code C15

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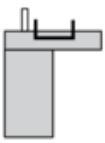
1 N/C
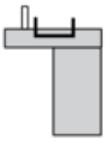
1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C

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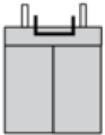
Legend

Single contact

Double contact

Light block

Possible location

Recommended replacement(s)