

Product data sheet

Specifications



Head for key selector switch, Harmony XB4, flush mounted 455 3, position return left to center

ZB4FG1

Main

Range of product Harmony XB4

Product or component type Head for key selector switch

Device short name ZB4F

Bezel material Chromium plated metal

Mounting diameter 30.5 mm

Head type Built-in-flush

Sale per indivisible quantity 1

Shape of signalling unit head Round

Return Left to centre

Operator profile Black key switch

Type of operator Spring return

Operator position information 3 positions +/- 45°

Type of keylock Key 455

Key withdrawal position Right

Complementary

CAD overall width 36.6 mm

CAD overall height 36.6 mm

CAD overall depth 49 mm

Net weight 0.133 kg

Resistance to high pressure washer 7000000 Pa at 55 °C, distance : 0.1 m

Mechanical durability 1000000 cycles

Electrical composition code

C3 for <6 contacts using single blocks in front mounting
C4 for <6 contacts using single and double blocks in front mounting
C5 for <5 contacts using single blocks in front mounting
C6 for <5 contacts using single and double blocks in front mounting
C7 for <4 contacts using single blocks in front mounting
C8 for <4 contacts using single and double blocks in front mounting
C11 for <3 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 50 E Type 12 conforming to UL 50 E Type 4 conforming to UL 50 E Type 4X conforming to UL 50 E
IK degree of protection	IK06
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 2 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	8.6 cm
Package 1 Weight	133.0 g

Offer Sustainability

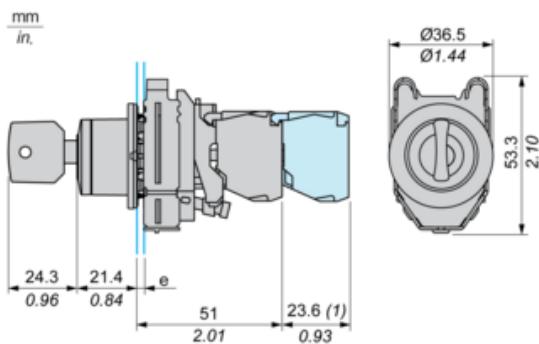
Sustainable offer status	Green Premium product
REACH Regulation	REACH Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
California proposition 65	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov

Contractual warranty

Warranty

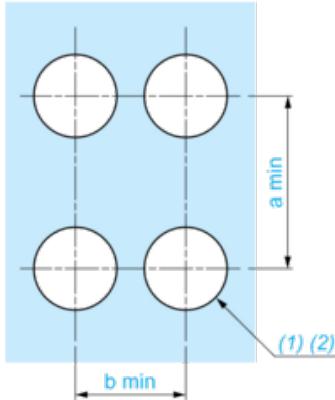
18 months

Dimensions



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

(1) : Additional row of contacts

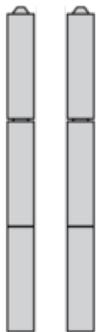
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)**Connection by Screw Clamp Terminals or Plug-in Connectors**

(1) : Diameter on finished panel or support

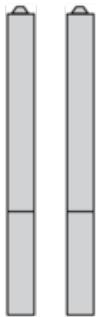
(2) : Ø30.75 mm recommended ($\text{Ø}30.5 \text{ mm}^{+0.5}$) / Ø1.21 in. recommended ($\text{Ø}1.20 \text{ in.}^{+0.0196}$)

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

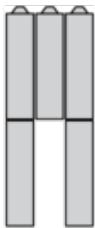
Electrical Composition Corresponding to Code C3



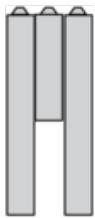
Electrical Composition Corresponding to Code C4



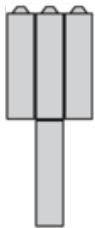
Electrical Composition Corresponding to Code C5



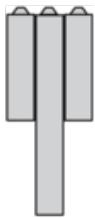
Electrical Composition Corresponding to Code C6



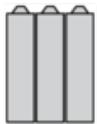
Electrical Composition Corresponding to Code C7



Electrical Composition Corresponding to Code C8



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



Legend

Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°



Push	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		1	1	0
Contacts	N/O		closed	closed	open
	N/C		open	open	closed

Position 0°



Push	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		0	0	0
Contacts	N/O		open	open	open
	N/C		closed	closed	closed

Position 45°



Push	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		0	1	1
Contacts	N/O		open	closed	closed
	N/C		closed	open	open

Recommended replacement(s)