

# Product data sheet

Specifications



## Head for key selector switch, Harmony XB4, flush mounted 455 3, position stay put

ZB4FG9

### 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 signaling unit head** Round

**Operator profile** Black key switch

**Type of operator** Stay put

**Operator position information** 3 positions +/- 45°

**Type of keylock** Key 455

**Key withdrawal position** Left

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

### 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

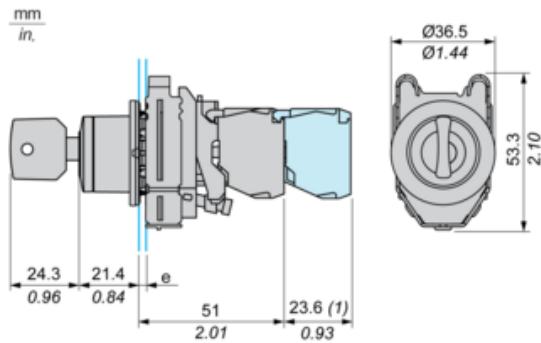
## Offer Sustainability

Sustainable offer status	Green Premium product
REACH Regulation	<a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	<a href="#">Yes</a>
China RoHS Regulation	<a href="#">China RoHS declaration</a>
Environmental Disclosure	<a href="#">Product Environmental Profile</a>
Circularity Profile	<a href="#">End of Life Information</a>
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 <a href="#">www.P65Warnings.ca.gov</a>

## Contractual warranty

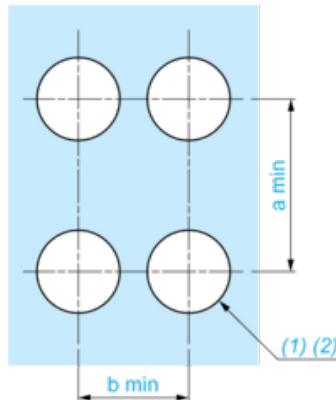
Warranty	18 months
----------	-----------

### 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**

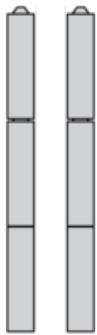
(1) : Diameter on finished panel or support

(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**

---



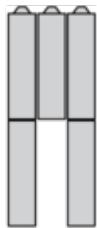
**Electrical Composition Corresponding to Code C4**

---



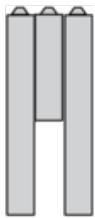
**Electrical Composition Corresponding to Code C5**

---



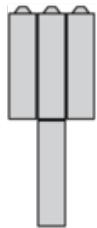
**Electrical Composition Corresponding to Code C6**

---



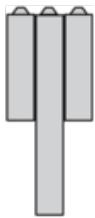
**Electrical Composition Corresponding to Code C7**

---



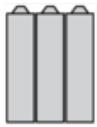
### Electrical Composition Corresponding to Code C8

---



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)**