

# Product data sheet

Specifications



## Head for selector switch, Harmony XB4, flush mounted black 3 position return right to center

ZB4FD8

### Main

Range of product	Harmony XB4
Product or component type	Head for 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
Type of operator	Right to centre spring return
Operator profile	Black standard handle
Operator position information	3 positions +/- 45°

### Complementary

CAD overall width	36.6 mm
CAD overall height	36.6 mm
CAD overall depth	47 mm
Net weight	0.078 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

<b>Ambient air temperature for operation</b>	-40...70 °C
<b>Overvoltage category</b>	Class I conforming to IEC 60536
<b>IP degree of protection</b>	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
<b>IK degree of protection</b>	IK06 conforming to IEC 50102
<b>Standards</b>	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
<b>Product certifications</b>	UL listed CSA CCC EAC
<b>Vibration resistance</b>	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
<b>Shock resistance</b>	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

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	4.3 cm
<b>Package 1 Width</b>	5.2 cm
<b>Package 1 Length</b>	5.5 cm
<b>Package 1 Weight</b>	72 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	5
<b>Package 2 Height</b>	4.3 cm
<b>Package 2 Width</b>	5.5 cm
<b>Package 2 Length</b>	26.5 cm
<b>Package 2 Weight</b>	360 g
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	40
<b>Package 3 Height</b>	15 cm
<b>Package 3 Width</b>	30 cm
<b>Package 3 Length</b>	40 cm
<b>Package 3 Weight</b>	3.192 kg

## Offer Sustainability

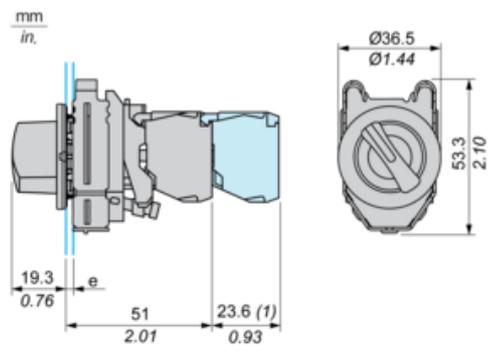
<b>Sustainable offer status</b>	Green Premium product
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope)

[EU RoHS Declaration](#)

<b>Toxic heavy metal free</b>	Yes
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>
<b>California proposition 65</b>	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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>

Dimensions

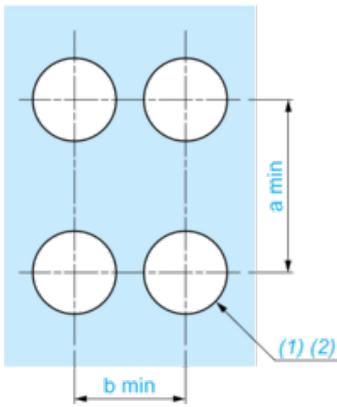
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e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.  
(1) : Additional row of contacts

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

**Connection by Screw Clamp Terminals or Plug-in Connectors**



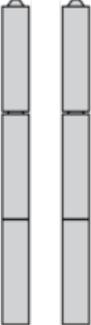
(1) : Diameter on finished panel or support

(2) :  $\text{Ø}30.75 \text{ mm recommended } (\text{Ø}30.5 \text{ }_0^{+0.5}) / \text{Ø}1.21 \text{ in. recommended } (\text{Ø}1.20 \text{ in. }_0^{+0.0196})$

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

**Electrical Composition Corresponding to Code C3**

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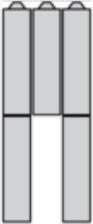
**Electrical Composition Corresponding to Code C4**

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**Electrical Composition Corresponding to Code C5**

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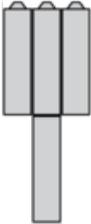
**Electrical Composition Corresponding to Code C6**

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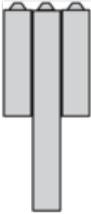
**Electrical Composition Corresponding to Code C7**

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**Electrical Composition Corresponding to Code C8**

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

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**Legend**

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Single contact



Double contact



Light block



Possible location



**Sequence of Contacts Fitted to 3-position Selector Switch Body**

**Position 315°**



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

**Position 0°**



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

**Position 45°**



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

**Recommended replacement(s)**