

Product data sheet

Specifications



Head for illuminated selector switch,
Harmony XB4, metal, blue handle,
30mm, universal LED, 3 positions,
right to center

ZB4FK1863

Main

Range of product Harmony XB4

Product or component type Head for illuminated selector switch

Product compatibility Universal LED

Device short name ZB4F

Bezel material Chromium plated metal

Head type Built-in-flush

Mounting diameter 30.5 mm

Sale per indivisible quantity 1

Shape of signaling unit head Round

Type of operator Right to centre spring return

Operator profile Blue standard handle

Operator position information 3 positions +/- 45°

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 47 mm

Net weight 0.078 kg

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

Mechanical durability 500000 cycles

Electrical composition code
M3 for <4 contacts using single blocks in front mounting with integral LED
M6 for <2 contacts using single blocks in front mounting with integral LED and transformer
M10 for <2 contacts using single blocks in front mounting with integral LED
M4 for <4 contacts using single and double blocks in front mounting with integral LED

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 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 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	5.5 cm
Package 1 Weight	78.0 g

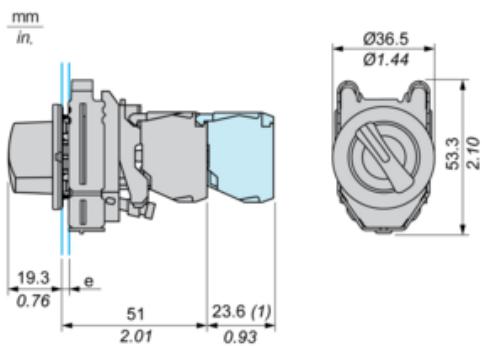
Offer Sustainability

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

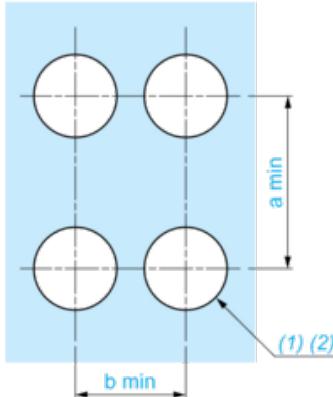
Warranty	18 months
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Dimensions



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

(1) : Additional row of contacts

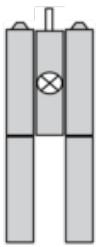
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)**Connection by Screw Clamp Terminals or Plug-in Connectors**

(1) : Diameter on finished panel or support

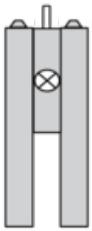
(2) : Ø30.75 mm recommended ($\text{Ø}30.5 \text{ mm}^{+0.5}$) / Ø1.21 in. recommended ($\text{Ø}1.20 \text{ in.}^{+0.0196}$)

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

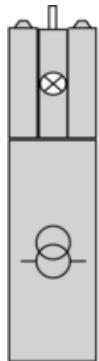
Electrical Composition Corresponding to Code M3



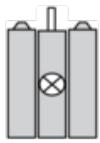
Electrical Composition Corresponding to Code M4



Electrical Composition Corresponding to Codes M6 and P2



Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend

Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°



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

Position 0°



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

Position 45°



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

Recommended replacement(s)