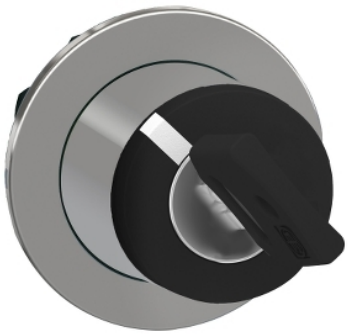
Product data sheet
Characteristics

ZB4FG4
Head for key selector switch, Harmony XB4, flush mounted 455 2, position stay put



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	2 positions 90°
Type of keylock	Ronis 455
Key withdrawal position	In any position

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 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 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 Weight	133 g
Package 1 Height	4.3 cm
Package 1 width	5.2 cm
Package 1 Length	8.6 cm
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Weight	1.665 kg
Package 2 Height	4.3 cm
Package 2 width	8.6 cm
Package 2 Length	26.5 cm
Unit Type of Package 3	S03
Number of Units in Package 3	80
Package 3 Weight	10.943 kg
Package 3 Height	30 cm
Package 3 width	30 cm
Package 3 Length	40 cm

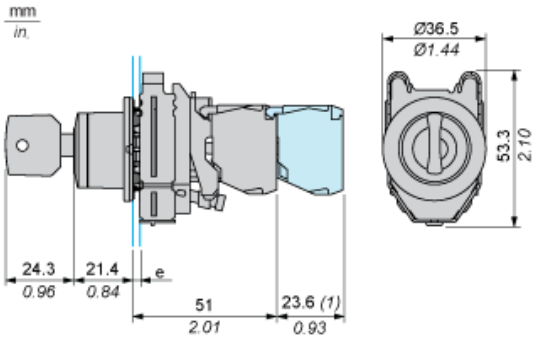
Offer Sustainability

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

Contractual warranty

Warranty	18 months

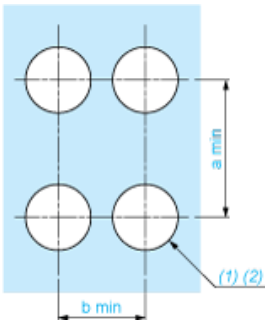
Dimensions



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



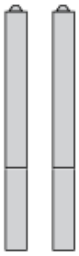
(1) : Diameter on finished panel or support

(2) : Ø30.75 mm recommended (Ø30.5 $_{0}^{+0.5}$) / Ø1.21 in. recommended (Ø1.20 in. $_{0}^{+0.0196}$)

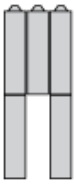
Connections	a in mm	a in in.	b in mm	b in in.
By connectors	50	1.97	40	1.57
By connectors and with legend holder ZBZF32	50	1.97	40	1.57
By connectors and with legend holder ZBZF33	60	2.36	40	1.57

Electrical Composition Corresponding to Code C3

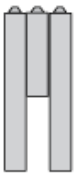
Electrical Composition Corresponding to Code C4



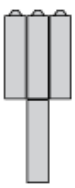
Electrical Composition Corresponding to Code C5



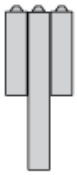
Electrical Composition Corresponding to Code C6



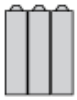
Electrical Composition Corresponding to Code C7



Electrical Composition Corresponding to Code C8

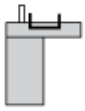


Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

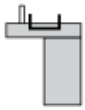


Electrical Composition Corresponding to Code C15

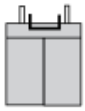
1 N/O



1 N/C



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



Legend

Single contact

Double contact

Light block

Possible location

Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°

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		1	1	1	
Contacts	N/O		closed	closed	closed
N/C		open	open	open	