

Product data sheet

Specifications



Head for key selector switch, Harmony XB5, flush mounted 8D1 3 pos return right to center

ZB5FG05D

Main

Range of product Harmony XB5

Product or component type Head for key selector switch

Device short name ZB5

Bezel material Dark grey plastic

Mounting diameter 30 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 key switch

Operator position information 3 positions +/- 45°

Type of keylock Dom 8D1
Ronis 3131A

Key withdrawal position Left and center

Complementary

CAD overall width 37 mm

CAD overall height 37 mm

CAD overall depth 72 mm

Net weight 0.069 kg

Mechanical durability 1000000 cycles

Electrical composition code 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
C3 for <6 contacts using single blocks in front mounting
SF1 for <3 contacts using single blocks in front mounting

Environment

Protective treatment TH

Ambient air temperature for storage -40...70 °C

Ambient air temperature for operation	-40...70 °C
Overvoltage category	Class II conforming to IEC 60536
IP degree of protection	IP66 conforming to IEC 60529 IP67 IP69 IP69K
NEMA degree of protection	NEMA 13 NEMA 4X
Resistance to high pressure washer	7000000 Pa at 55 °C, distance : 0.1 m
IK degree of protection	IK03 conforming to IEC 50102
Standards	CSA C22.2 No 14 EN/IEC 60947-5-4 UL 508 JIS C8201-5-1 EN/IEC 60947-5-1 EN/IEC 60947-1 JIS C8201-1
Product certifications	UL listed CSA BV LROS (Lloyds register of shipping) DNV GL
Vibration resistance	5 gn (f= 2...500 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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Weight	73 g
Package 1 Height	8.6 cm
Package 1 width	4.3 cm
Package 1 Length	5.2 cm
Unit Type of Package 2	CAR
Number of Units in Package 2	1
Package 2 Weight	73 g
Package 2 Height	8.6 cm
Package 2 width	4.3 cm
Package 2 Length	5.2 cm

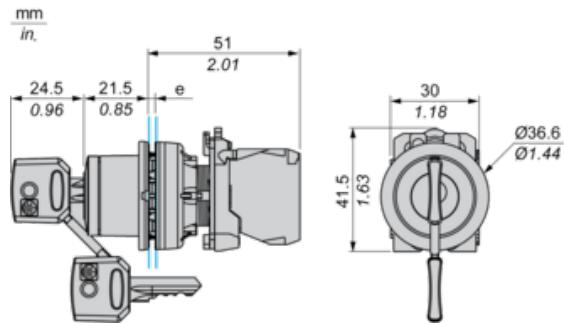
Offer Sustainability

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

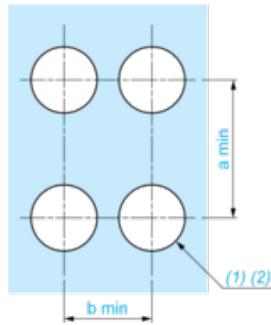
California proposition 65

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

Dimensions



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

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 ($\text{Ø}30.5^{+0.5}_0$) / Ø1.21 in. recommended ($\text{Ø}1.20 \text{ in.}^{+0.0196}_0$)

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	40	1.57
By Faston connectors	45	1.77	40	1.57

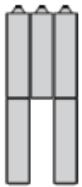
Electrical Composition Corresponding to Code C3



Electrical Composition Corresponding to Code C4



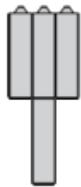
Electrical Composition Corresponding to Code C5



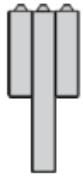
Electrical Composition Corresponding to Code C6



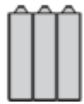
Electrical Composition Corresponding to Code C7



Electrical Composition Corresponding to Code C8



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



Electrical Composition Corresponding to Code C15

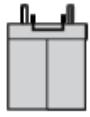
1 N/O



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

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