



## 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               | Ronis 455                     |
| 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<br>C5 for <5 contacts using single blocks in front mounting<br>C6 for <5 contacts using single and double blocks in front mounting<br>C7 for <4 contacts using single blocks in front mounting<br>C8 for <4 contacts using single and double blocks in front mounting<br>C11 for <3 contacts using single blocks in front mounting<br>C3 for <6 contacts using single blocks in front mounting<br>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<br>IP67<br>IP69<br>IP69K |
| NEMA degree of protection             | NEMA 13<br>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              | EN/IEC 60947-1<br>JIS C8201-5-1<br>EN/IEC 60947-5-4<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>UL 508<br>JIS C8201-1                                                            |
| Product certifications | DNV<br>RINA<br>GL<br>LROS (Lloyds register of shipping)<br>UL listed<br>CSA<br>BV                                                                                              |
| 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<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

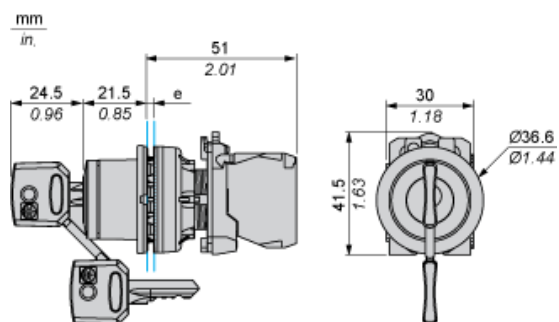
## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Weight             | 63 g   |
| Package 1 Height             | 8.6 cm |
| Package 1 width              | 4.3 cm |
| Package 1 Length             | 5.2 cm |

## 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>                                                          |

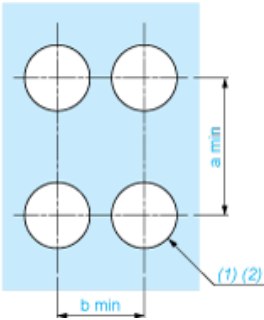
## Dimensions



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



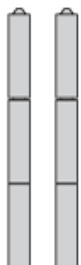
- (1) Diameter on finished panel or support
- (2) Ø30.75 mm recommended ( $\text{Ø}30.5 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in. } \begin{smallmatrix} +0.0196 \\ 0 \end{smallmatrix}$ )

| 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

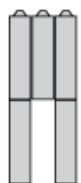
---



---

Electrical Composition Corresponding to Code C5

---



---

Electrical Composition Corresponding to Code C6

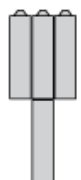
---



---

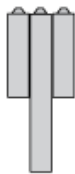
Electrical Composition Corresponding to Code C7

---



## Electrical Composition Corresponding to Code C8

---



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

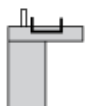
---



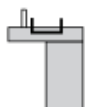
## Electrical Composition Corresponding to Code C15

---

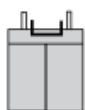
1 N/O



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   | <div></div> |      |        |        |        |
| Location |             | Left | Centre | Right  |        |
| State    |             | 1    | 1      | 1      |        |
| Contacts | N/O         |      | closed | closed | closed |
| N/C      |             | open | open   | open   |        |