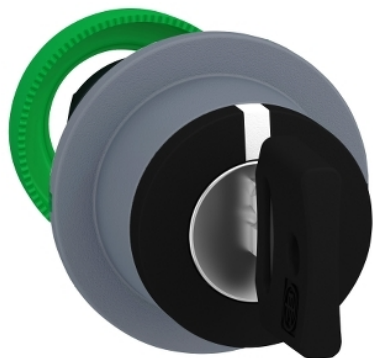


## ZB5FG7C0

Harmony XB5, Flush mounted key switch selector head, plastic, black, Ø22, key n°455, 3 positions, spring return to center, grey bezel



### Main

|                               |                              |
|-------------------------------|------------------------------|
| Range of product              | Harmony XB5                  |
| Product or component type     | Head for key selector switch |
| Device short name             | ZB5                          |
| Bezel material                | Plastic colour plated grey   |
| Mounting diameter             | 30.5 mm                      |
| Head type                     | Built-in-flush               |
| Sale per indivisible quantity | 1                            |
| Shape of signaling unit head  | Round                        |
| Type of operator              | To centre spring return      |
| Operator profile              | Black key switch             |
| Operator position information | 3 positions +/- 45°          |
| Type of keylock               | Key 455                      |
| Key withdrawal position       | 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 |
| 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 II conforming to IEC 60536      |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67  |
| 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              | UL 508<br>EN/IEC 60947-5-4<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>JIS C8201-5-1<br>JIS C8201-1                                                            |
| Product certifications | UL listed[RETURN]CSA[RETURN]GL[RETURN]DNV[RETURN]LROS (Lloyds register of shipping)[RETURN]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 |

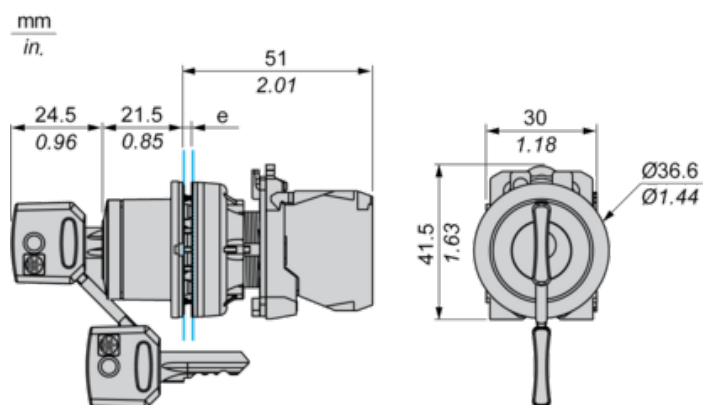
## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 8.6 cm |
| Package 1 Width              | 4.3 cm |
| Package 1 Length             | 5.2 cm |
| Package 1 Weight             | 63.0 g |

## Offer Sustainability

|                            |                                                                                                                            |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------|
| REACH Regulation           |  <a href="#">REACH Declaration</a>        |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                 |
| Mercury free               | Yes                                                                                                                        |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a> |
| RoHS exemption information |  <a href="#">Yes</a>                    |

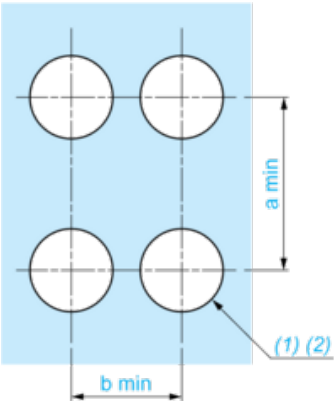
## Dimensions



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 ( $\text{Ø}30.5 \text{ }_0^{+0.5}$ ) / Ø1.21 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 screw clamp terminals or plug-in connector | 40      | 1.57     | 40      | 1.57     |
| By Faston connectors                          | 45      | 1.77     | 40      | 1.57     |

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Electrical Composition Corresponding to Code C3

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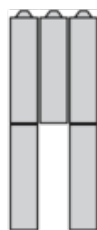
Electrical Composition Corresponding to Code C4

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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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## Electrical Composition Corresponding to Code C15

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1 N/O

1 N/C

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

## Legend

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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 |  |
| N/C      |             | open | open   | open   |  |