

## ZB5FD4

Harmony XB5, Antimicrobial Flush mounted selector switch head, plastic, black, Ø30, 2 positions, spring return right to left



### Main

|                               |                             |
|-------------------------------|-----------------------------|
| Range of product              | Harmony XB5                 |
| Product or component type     | Head for 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 left spring return |
| Operator profile              | Black standard handle       |
| Operator position information | 2 positions 90°             |

### Complementary

|                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width           | 37 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CAD overall height          | 37 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| CAD overall depth           | 46 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Net weight                  | 0.031 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Mechanical durability       | 1000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Electrical composition code | C3 for <6 contacts using single blocks in front mounting<br>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>C15 for <1 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 conforming to IEC 60529<br>IP69K<br>IP69 |
| 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 style="list-style-type: none"> <li>UL 508</li> <li>JIS C8201-5-1</li> <li>EN/IEC 60947-5-4</li> <li>CSA C22.2 No 14</li> <li>EN/IEC 60947-5-1</li> <li>EN/IEC 60947-1</li> <li>JIS C8201-1</li> <li>ISO 21702</li> <li>ISO 22196:2011</li> </ul> |
| Product certifications | <ul style="list-style-type: none"> <li>UL listed</li> <li>DNV</li> <li>LROS (Lloyds register of shipping)</li> <li>GL</li> <li>CSA</li> <li>BV</li> </ul>                                                                                            |
| 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                                                                       |

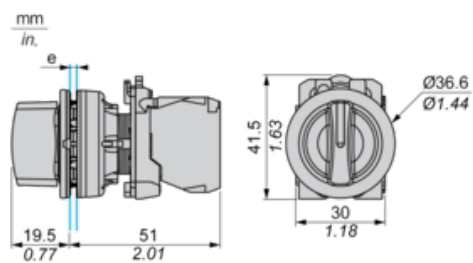
## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Weight             | 22.0 g  |
| Package 1 Height             | 5.45 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>                                                              |
| REACH free of SVHC         | Yes                                                                                            |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                            |
| 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>                                                        |

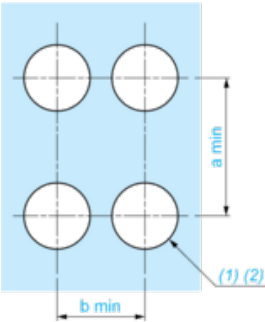
## Dimensions



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 ( $\text{Ø}30.5 \text{ }_0^{+0.5}$ ) / 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   | 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   |  |        |