

## ZB5FJ5C0

Harmony XB5, Flush mounted selector switch head, plastic, black, Ø30, long handle, 3 positions, spring return to center, grey bezel



### Main

|                                 |                            |
|---------------------------------|----------------------------|
| Range of product                | Harmony XB5                |
| Product or component type       | Head for selector switch   |
| Device short name               | ZB5                        |
| Bezel material                  | Plastic colour plated grey |
| Mounting diameter               | 30 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 long handle          |
| Operator additional information | Non padlockable            |
| Operator position information   | 3 positions +/- 45°        |

### 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>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                                                        |
| 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>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>JIS C8201-1 |

|                        |                                                                                                                                                                                |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product certifications | BV<br>RINA<br>CSA<br>GL<br>LROS (Lloyds register of shipping)<br>DNV<br>UL listed                                                                                              |
| 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 |

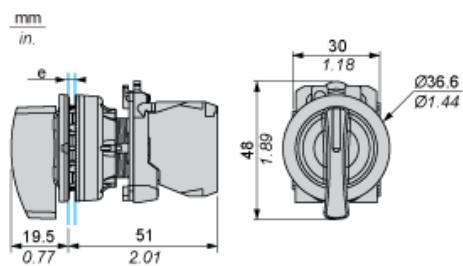
## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 22.000 g |
| Package 1 Height | 5.450 cm |
| Package 1 width  | 4.300 cm |
| Package 1 Length | 5.200 cm |

## Offer Sustainability

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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>                                                         |

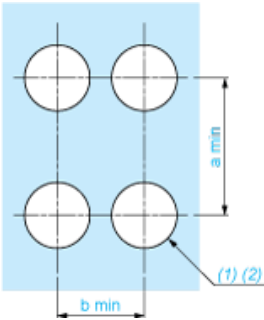
## Dimensions



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

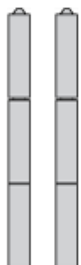
(2) Ø30.75 mm recommended ( $\text{Ø}30.5 \text{ }_0^{+0.5}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in. }_0^{+0.0196}$ )

| 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

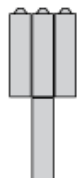
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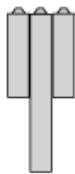
Electrical Composition Corresponding to Code C7

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## Electrical Composition Corresponding to Code C8

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

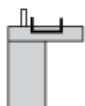
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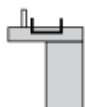
## Electrical Composition Corresponding to Code C15

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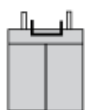
1 N/O



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