

# Product data sheet

Specifications



Head for illuminated selector switch, Harmony XB4, metal, white handle, 30mm, universal LED, 3 positions, right to center

ZB4FK1813

## Main

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range of product              | Harmony XB4                          |
| Product or component type     | Head for illuminated selector switch |
| Product compatibility         | Universal LED                        |
| Device short name             | ZB4F                                 |
| Bezel material                | Chromium plated metal                |
| Head type                     | Built-in-flush                       |
| Mounting diameter             | 30.5 mm                              |
| Sale per indivisible quantity | 1                                    |
| Shape of signaling unit head  | Round                                |
| Type of operator              | Right to centre spring return        |
| Operator profile              | White standard handle                |
| Operator position information | 3 positions +/- 45°                  |

## Complementary

|                                    |                                                                                                                                                                                                                                                                                                                                                  |
|------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                  | 36.6 mm                                                                                                                                                                                                                                                                                                                                          |
| CAD overall height                 | 36.6 mm                                                                                                                                                                                                                                                                                                                                          |
| CAD overall depth                  | 47 mm                                                                                                                                                                                                                                                                                                                                            |
| Net weight                         | 0.078 kg                                                                                                                                                                                                                                                                                                                                         |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                                                                                                                                                                                                                            |
| Mechanical durability              | 500000 cycles                                                                                                                                                                                                                                                                                                                                    |
| Electrical composition code        | M3 for <4 contacts using single blocks in front mounting with integral LED<br>M6 for <2 contacts using single blocks in front mounting with integral LED and transformer<br>M10 for <2 contacts using single blocks in front mounting with integral LED<br>M4 for <4 contacts using single and double blocks in front mounting with integral LED |
| 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 I conforming to IEC 60536                                                                                                                                                                                                                                     |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP69 conforming to IEC 60529<br>IP69K conforming to ISO 20653<br>Type 13 conforming to UL 50 E<br>Type 12 conforming to UL 50 E<br>Type 4 conforming to UL 50 E<br>Type 4X conforming to UL 50 E    |
| IK degree of protection               | IK06 conforming to IEC 50102                                                                                                                                                                                                                                        |
| Standards                             | CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>UL 508<br>EN/IEC 60947-1<br>JIS C8201-5-1<br>CE<br>JIS C8201-1                                                                                                                                           |
| Product certifications                | UL listed<br>CSA<br>CCC<br>EAC                                                                                                                                                                                                                                      |
| Vibration resistance                  | 5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6<br>2 mm peak to peak (f= 2...10 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<br>25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27 |

### Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 4.3 cm |
| Package 1 Width              | 5.2 cm |
| Package 1 Length             | 5.5 cm |
| Package 1 Weight             | 78.0 g |

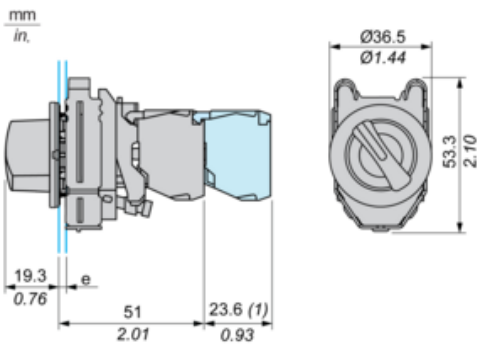
### Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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)<br><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>                                                                                                                                                                                                                                               |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

### Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

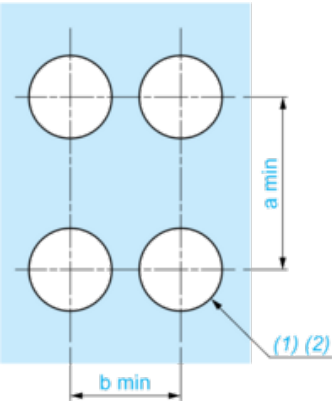
Dimensions



e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.  
(1) : Additional row of contacts

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors

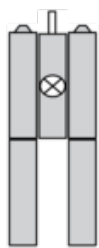


- (1) : Diameter on finished panel or support
- (2) : Ø30.75 mm recommended (Ø30.5 +0.5 / Ø1.21 in. recommended (Ø1.20 in. +0.0196)

| Connections                                 | a in mm | a in in. | b in mm | b in in. |
|---------------------------------------------|---------|----------|---------|----------|
| By connectors                               | 50      | 1.97     | 40      | 1.57     |
| By connectors and with legend holder ZBZF32 | 50      | 1.97     | 40      | 1.57     |
| By connectors and with legend holder ZBZF33 | 60      | 2.36     | 40      | 1.57     |

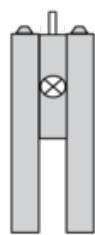
Electrical Composition Corresponding to Code M3

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Electrical Composition Corresponding to Code M4

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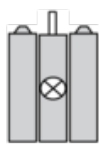
Electrical Composition Corresponding to Codes M6 and P2

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Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2

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Legend

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Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°



|          |          |        |        |  |        |
|----------|----------|--------|--------|--|--------|
| Push     | Position | Top    |        |  |        |
|          |          | Bottom |        |  |        |
|          | Location |        | Left   |  | Right  |
|          | State    |        | 1      |  | 0      |
| Contacts | N/O      |        | closed |  | open   |
|          | N/C      |        | open   |  | closed |

Position 0°



|          |          |        |        |  |        |
|----------|----------|--------|--------|--|--------|
| Push     | Position | Top    |        |  |        |
|          |          | Bottom |        |  |        |
|          | Location |        | Left   |  | Right  |
|          | State    |        | 0      |  | 0      |
| Contacts | N/O      |        | open   |  | open   |
|          | N/C      |        | closed |  | closed |

Position 45°



|          |          |        |        |  |        |
|----------|----------|--------|--------|--|--------|
| Push     | Position | Top    |        |  |        |
|          |          | Bottom |        |  |        |
|          | Location |        | Left   |  | Right  |
|          | State    |        | 0      |  | 1      |
| Contacts | N/O      |        | open   |  | closed |
|          | N/C      |        | closed |  | open   |

Recommended replacement(s)