

## ZB4FH053

Head for illuminated push button, Harmony XB4, flush mounted orange flush caps illum pushbutton LED push



### Main

|                               |                                  |
|-------------------------------|----------------------------------|
| Range of product              | Harmony XB4                      |
| Product or component type     | Head for illuminated push-button |
| Product compatibility         | Integral 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              | push-push                        |
| Operator profile              | Orange flush, unmarked           |

### Complementary

|                                    |                                                                                                                                                                                                                                                         |
|------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                  | 36.6 mm                                                                                                                                                                                                                                                 |
| CAD overall height                 | 36.6 mm                                                                                                                                                                                                                                                 |
| CAD overall depth                  | 31 mm                                                                                                                                                                                                                                                   |
| Net weight                         | 0.058 kg                                                                                                                                                                                                                                                |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                                                                                                                                   |
| Mechanical durability              | 500000 cycles                                                                                                                                                                                                                                           |
| Electrical composition code        | M5 for <2 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 |
| Device presentation                | Basic element                                                                                                                                                                                                                                           |

### Environment

|                                       |                                                                                                                                                                                                                                                                  |
|---------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                                                                                                               |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                                                                                                                                      |
| Electrical shock protection class     | Class I conforming to IEC 60536                                                                                                                                                                                                                                  |
| 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 Weight             | 58 g   |
| Package 1 Height             | 4.3 cm |
| Package 1 width              | 5.2 cm |
| Package 1 Length             | 5.5 cm |

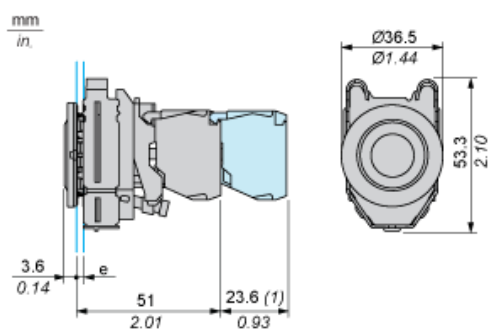
## Offer Sustainability

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

## Contractual warranty

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

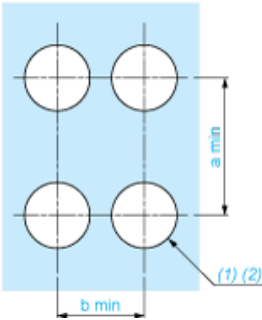
## Dimensions



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

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

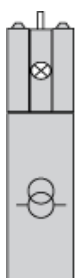
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Electrical Composition Corresponding to Codes M6 and P2

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Legend

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Single contact



Double contact



Light block



Possible location

