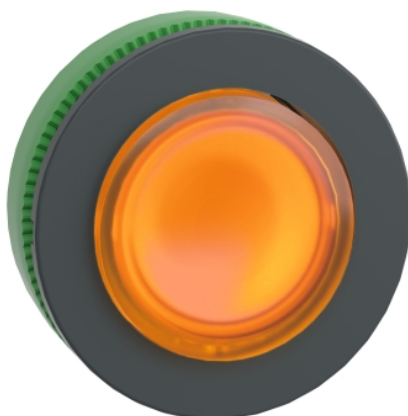


# ZB5FW153

Head for illuminated push button, Harmony XB5, plastic, orange projecting, universal LED, spring return, unmarked



## Main

|                               |                                  |
|-------------------------------|----------------------------------|
| Range of product              | Harmony XB5                      |
| Product or component type     | Head for illuminated push-button |
| Device short name             | ZB5F                             |
| Product compatibility         | Universal LED                    |
| Bezel material                | Dark grey plastic                |
| Mounting diameter             | 30.5 mm                          |
| Head type                     | Built-in-flush                   |
| Sale per indivisible quantity | 1                                |
| Shape of signaling unit head  | Round                            |
| Type of operator              | Spring return                    |
| Operator profile              | Orange projecting, unmarked      |

## Complementary

|                             |                                                                                                                                                                                                                                                                                                                       |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width           | 37 mm                                                                                                                                                                                                                                                                                                                 |
| CAD overall height          | 37 mm                                                                                                                                                                                                                                                                                                                 |
| CAD overall depth           | 32 mm                                                                                                                                                                                                                                                                                                                 |
| Net weight                  | 0.031 kg                                                                                                                                                                                                                                                                                                              |
| Mechanical durability       | 10000000 cycles                                                                                                                                                                                                                                                                                                       |
| Electrical composition code | M1 for <6 contacts using single blocks in front mounting<br>M2 for <6 contacts using single and double blocks in front mounting<br>M10 for <2 contacts using single blocks in front mounting<br>M6 for <2 contacts using single blocks in front mounting<br>MF1 for <2 contacts using single blocks in front mounting |

## 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>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 |
| 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 60947-1<br>JIS C8201-5-1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-1                                                                                                                                              |
| Product certifications                | UL listed[RETURN]CSA                                                                                                                                                                                                                                             |

|                      |                                                                                                                                                                                                                                                                     |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |
| 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                                                                                                                                                   |

## Packing Units

|                              |        |
|------------------------------|--------|
| Unit Type of Package 1       | PCE    |
| Number of Units in Package 1 | 1      |
| Package 1 Height             | 4.3 cm |
| Package 1 Width              | 5.3 cm |
| Package 1 Length             | 5.5 cm |
| Package 1 Weight             | 23.0 g |

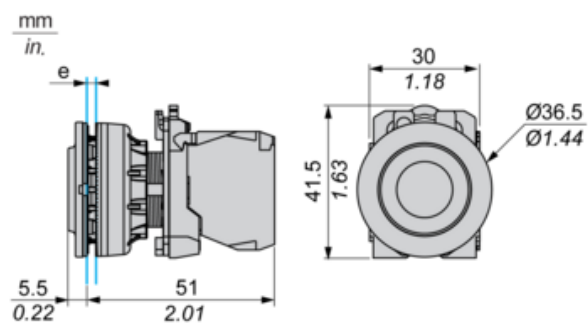
## Offer Sustainability

|                            |                                                                                                                                                                                    |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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) <a href="#"> EU RoHS Declaration</a> |
| Toxic heavy metal free     | Yes                                                                                                                                                                                |
| Mercury free               | Yes                                                                                                                                                                                |
| China RoHS Regulation      | <a href="#"> China RoHS Declaration</a>                                                          |
| RoHS exemption information | <a href="#"> Yes</a>                                                                            |

## Contractual warranty

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

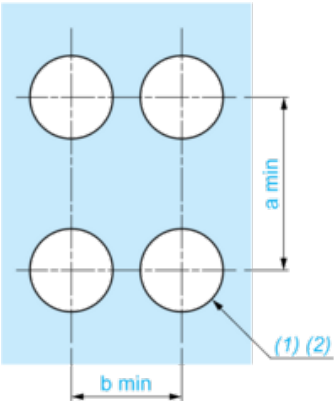
## Dimensions



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     |

---

Electrical Composition Corresponding to Code C1

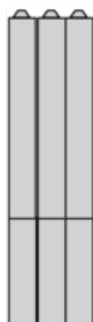
---



---

Electrical Composition Corresponding to Code C2

---



---

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

---

---

Electrical Composition Corresponding to Code C15

---

1 N/O

1 N/C

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

## Legend

---

Single contact

Double contact

Light block

Possible location

