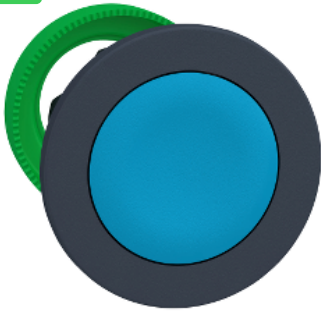


# Product datasheet

Specifications



## flush mounted blue flush caps pushbutton head

Local distributor code: 407816334    ZB5FA6

EAN Code : 3606481339140

### Main

|                               |                                      |
|-------------------------------|--------------------------------------|
| Range of product              | Harmony XB5                          |
| Product or component type     | Head for non-illuminated push-button |
| Device short name             | ZB5                                  |
| Product compatibility         | ZBYF...<br>ZBZF32<br>ZBZF33<br>ZB5AZ |
| 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              | Blue flush, unmarked                 |

### Complementary

|                             |                                                                                                                                                                                                                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width           | 37 mm                                                                                                                                                                                                                                                                                                                  |
| CAD overall height          | 37 mm                                                                                                                                                                                                                                                                                                                  |
| CAD overall depth           | 30 mm                                                                                                                                                                                                                                                                                                                  |
| Net weight                  | 0.03 kg                                                                                                                                                                                                                                                                                                                |
| Mechanical durability       | 10000000 cycles                                                                                                                                                                                                                                                                                                        |
| Electrical composition code | C1 for <9 contacts using single blocks in front mounting<br>C2 for <9 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>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                          | EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>UL 508<br>JIS C8201-1<br>ISO 21702<br>ISO 22196:2011                                                                                                                  |
| Product certifications             | LROS (Lloyds register of shipping)<br>CSA<br>GL<br>UL listed<br>DNV<br>BV                                                                                                                                                                                           |
| 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              | 5.2 cm   |
| Package 1 Length             | 5.6 cm   |
| Package 1 Weight             | 24.0 g   |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 40       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 1.275 kg |

### 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> |
| Mercury free               | Yes                                                                                               |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>                                                            |
| RoHS exemption information | <a href="#">Yes</a>                                                                               |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</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 ( $\text{Ø}30.5 \begin{smallmatrix} +0.5 \\ 0 \end{smallmatrix}$ ) / Ø1.21 in. recommended ( $\text{Ø}1.20 \text{ in. } \begin{smallmatrix} +0.0196 \\ 0 \end{smallmatrix}$ )

| 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     |

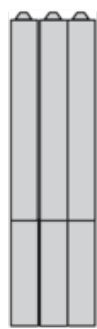
Electrical Composition Corresponding to Code C1

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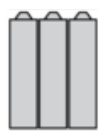
Electrical Composition Corresponding to Code C2

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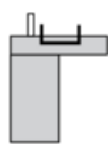
Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

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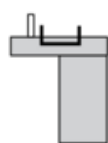


Electrical Composition Corresponding to Code C15

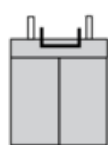
1 N/O



1 N/C



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



Legend

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Single contact



Double contact



Light block



Possible location

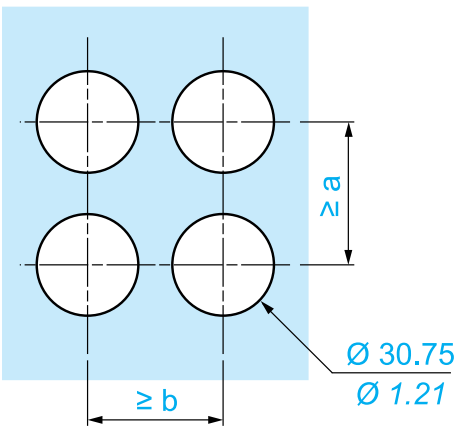
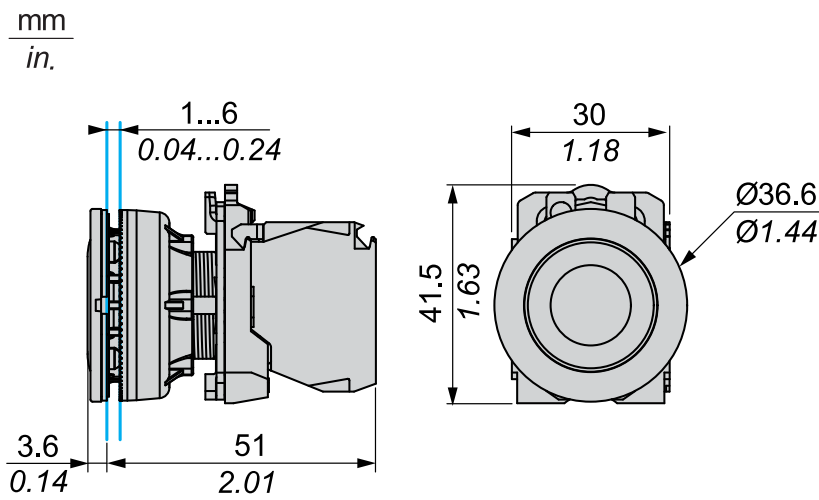


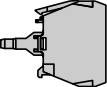
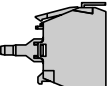
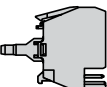
# Product datasheet

## Technical Illustration

# ZB5FA6

## Dimensions



|                                                                                     |                                                                                     | a (mm) | a (in.) | b (mm) | b (in.) |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|--------|---------|--------|---------|
|  |  | 40     | 1.57    | 40     | 1.57    |
| ZBE●●●●●                                                                            | ZBV●●●●●                                                                            |        |         |        |         |
|  |  | 45     | 1.77    | 40     | 1.57    |
| ZBE●●●●●3                                                                           | ZBV●●●●●3                                                                           |        |         |        |         |
|  |  | 40     | 1.57    | 40     | 1.57    |
| ZBE●●●●●4                                                                           | ZBV●●●●●4                                                                           |        |         |        |         |

### Recommended replacement(s)