

## Product data sheet

### Characteristics

# ZB4BC28040RA

pushbutton head for harsh environment - black  
- with marking-legend rotated 90°



### Main

|                               |                       |
|-------------------------------|-----------------------|
| Range of product              | Harmony XB4           |
| Product or component type     | Head for push-button  |
| Device short name             | ZB4                   |
| Bezel material                | Chromium plated metal |
| Head type                     | Standard              |
| Mounting diameter             | 22 mm                 |
| Sale per indivisible quantity | 1                     |

### Complementary

|                                   |                                                                                                                                                                                                                                                           |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                 | 37 mm                                                                                                                                                                                                                                                     |
| CAD overall height                | 18.5 mm                                                                                                                                                                                                                                                   |
| CAD overall depth                 | 37 mm                                                                                                                                                                                                                                                     |
| Net weight                        | 0.036 kg                                                                                                                                                                                                                                                  |
| Electrical shock protection class | Class I conforming to IEC 61140                                                                                                                                                                                                                           |
| Shape of signaling unit head      | Round                                                                                                                                                                                                                                                     |
| Type of operator                  | Spring return                                                                                                                                                                                                                                             |
| Operator profile                  | Black flush, type H040 (white)                                                                                                                                                                                                                            |
| Operator additional information   | Horizontal mounting                                                                                                                                                                                                                                       |
| Mechanical durability             | 3000000 cycles                                                                                                                                                                                                                                            |
| 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                                                                                                                                                                     |
| Main group                        | Harsh environment                                                                                                                                                                                                                                         |
| Group of product                  | Flush marked type H040                                                                                                                                                                                                                                    |
| Cap/operator or lens colour       | Black                                                                                                                                                                                                                                                     |
| Marking                           | Type H040                                                                                                                                                                                                                                                 |
| Colour of marking                 | White                                                                                                                                                                                                                                                     |
| 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 |

### Environment

|                                       |                                                   |
|---------------------------------------|---------------------------------------------------|
| Ambient air temperature for storage   | -40...85 °C                                       |
| Ambient air temperature for operation | -40...70 °C                                       |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP69K<br>IP69     |
| NEMA degree of protection             | NEMA 4 conforming to UL 508<br>NEMA 13<br>NEMA 12 |
| Resistance to high pressure washer    | 90 Pa at 82.5 °C                                  |

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| IK degree of protection | IK06 conforming to IEC 62262                        |
| Standards               | CSA C22.2<br>IEC 60947-5-1<br>IEC 60947-1<br>UL 508 |
| Product certifications  | CSA[RETURN]UL[RETURN]CE                             |

### 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>                                                                            |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                  |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                        |

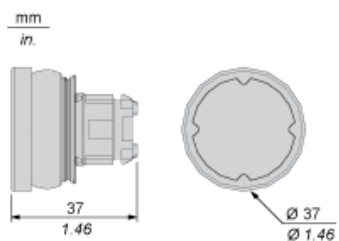
### Contractual warranty

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

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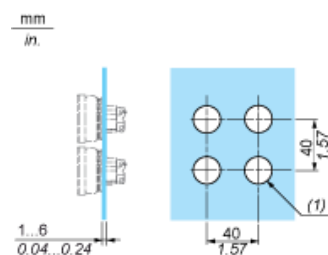
Dimensions

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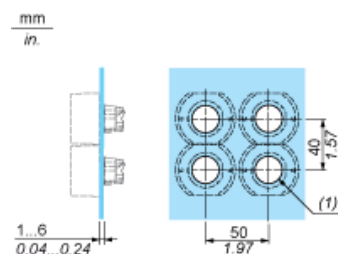
## Installation on Flat Surface

### Without Protective Guard



(1) Ø22.5 mm recommended ( $\text{Ø}22.3_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88_0^{+0.016}$ )

### With Protective Guard



(1) Ø22.5 mm recommended ( $\text{Ø}22.3_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88_0^{+0.016}$ )

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Marking Type H040

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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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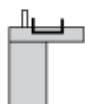


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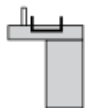
Electrical Composition Corresponding to Code C15

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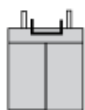
1 N/O



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

