

## ZB4FG4 (43 058 07)

flush mounted selector switch head key 455 2 -  
position stay put



### Main

|                               |                              |
|-------------------------------|------------------------------|
| Range of product              | Harmony XB4                  |
| Product or component type     | Head for key selector switch |
| Device short name             | ZB4F                         |
| Bezel material                | Chromium plated metal        |
| Mounting diameter             | 30.5 mm                      |
| Head type                     | Built-in-flush               |
| Sale per indivisible quantity | 1                            |
| Shape of signaling unit head  | Round                        |
| Operator profile              | Black key switch             |
| Type of operator              | Stay put                     |
| Operator position information | 2 positions 90°              |
| Type of keylock               | Ronis 455                    |
| Key withdrawal position       | In any position              |

### Complementary

|                                    |   |
|------------------------------------|---|
| CAD overall width                  | 36.6 mm   |
| CAD overall height                 | 36.6 mm   |
| CAD overall depth                  | 49 mm   |
| Product weight                     | 0.133 kg  |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance: 0.1 m  |
| Mechanical durability              | 1000000 cycles  |
| Electrical composition code        | C15 for 1 contacts using single blocks in front mounting<br>C15 for 1 contacts using single blocks in front mounting<br>C11 for 3 contacts using single blocks in front mounting<br>C7 for 4 contacts using single blocks in front mounting<br>C8 for 4 contacts using single and double blocks in front mounting<br>C4 for 6 contacts using single and double blocks in front mounting<br>C5 for 5 contacts using single blocks in front mounting<br>C6 for 5 contacts using single and double blocks in front mounting<br>C3 for 6 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 I conforming to IEC 60536   |
| IP degree of protection               | IP67<br>IP66 conforming to IEC 60529<br>IP69K<br>IP69   |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X  |
| standards                             | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14 |
| product certifications                | CSA   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

UL listed

|                      |  |
|----------------------|--|
| 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<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

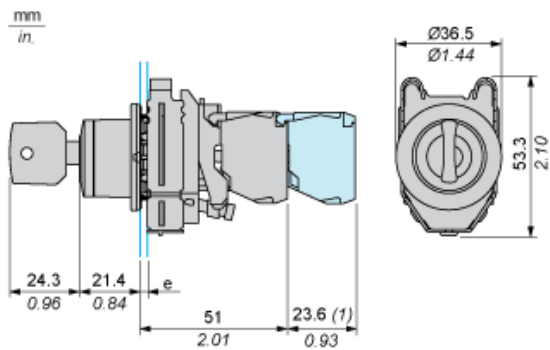
### Offer Sustainability

|                                  |   |
|----------------------------------|---|
| Sustainable offer status         | Green Premium product   |
| RoHS (date code: YYWW)           | Compliant - since 1804 - Schneider Electric declaration of conformity |
| REACH                            | Reference not containing SVHC above the threshold                     |
| Product environmental profile    | Available   |
| Product end of life instructions | Need no specific recycling operations                                 |

### Contractual warranty

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

### Dimensions

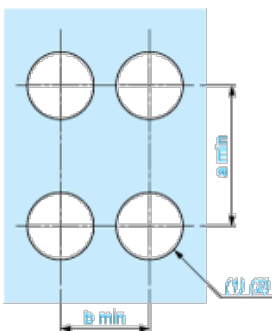


e : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

(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<sub>0</sub><sup>+0.5</sup>) / Ø1.21 in. recommended (Ø1.20 in.<sub>0</sub><sup>+0.0196</sup>)

| 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     |

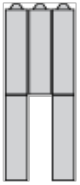
### Electrical Composition Corresponding to Code C3



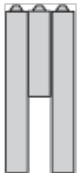
**Electrical Composition Corresponding to Code C4**



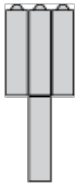
**Electrical Composition Corresponding to Code C5**



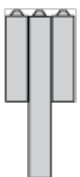
**Electrical Composition Corresponding to Code C6**



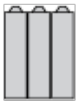
**Electrical Composition Corresponding to Code C7**



**Electrical Composition Corresponding to Code C8**

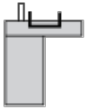


**Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1**

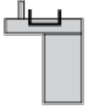


## Electrical Composition Corresponding to Code C15

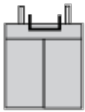
1 N/O



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



## Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



|                 |          |        |      |        |       |
|-----------------|----------|--------|------|--------|-------|
| <b>Push</b>     | Position | Top    |      |        |       |
|                 |          | Bottom |      |        |       |
|                 | Location |        | Left | Centre | Right |
|                 | State    |        | 0    | 0      | 0     |
| <b>Contacts</b> | N/O      | open   | open | open   |       |

|  |     |        |        |        |
|--|-----|--------|--------|--------|
|  | N/C | closed | closed | closed |
|--|-----|--------|--------|--------|

**Position 45°**



|                 |          |        |        |        |        |
|-----------------|----------|--------|--------|--------|--------|
| <b>Push</b>     | Position | Top    |        |        |        |
|                 |          | Bottom |        |        |        |
|                 | Location |        | Left   | Centre | Right  |
|                 | State    |        | 1      | 1      | 1      |
| <b>Contacts</b> | N/O      |        | closed | closed | closed |
|                 | N/C      |        | open   | open   | open   |