

## Main

|                               |   |
|-------------------------------|---|
| Range of product              | Harmony XB4   |
| Product or component type     | Complete body/contact assembly                                |
| Device short name             | ZB4   |
| Fixing collar material        | Zamak   |
| Sale per indivisible quantity | 1   |
| Head type                     | Standard  |
| Contacts type and composition | 2 NC  |
| Contact operation             | Slow-break  |
| Contact block type            | Single  |
| Device composition            | Body<br>Fixing collar   |
| Connections - terminals       | Faston connector(1 x 6.35 mm)<br>Faston connector(2 x 2.8 mm) |

## Complementary

|                               |   |
|-------------------------------|---|
| CAD overall width             | 1.18 in (30 mm)   |
| CAD overall height            | 1.85 in (47 mm)   |
| CAD overall depth             | 1.46 in (37 mm)   |
| Terminals description ISO n°1 | (11-12)NC   |
| Product weight                | 0.14 lb(US) (0.062 kg)  |
| Contacts usage                | Standard contacts   |
| Positive opening              | With positive opening conforming to EN/IEC 60947-5-1 appendix K   |
| Operating travel              | 0.06 in (1.5 mm) (NC changing electrical state)<br>0.17 in (4.3 mm) (total travel)  |
| Mechanical durability         | 5000000 cycles  |
| Contacts material             | Silver alloy (Ag/Ni)  |
| [Ui] rated insulation voltage | 250 V (degree of pollution: 3) conforming to EN 60947-1   |
| Electrical durability         | 10000000 cycles   |
| Electrical reliability        | $\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4 |

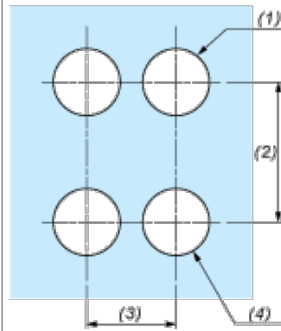
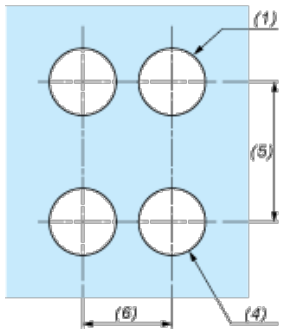
## Environment

|                                       |  |
|---------------------------------------|--|
| protective treatment                  | TH   |
| ambient air temperature for storage   | -40...158 °F (-40...70 °C)   |
| ambient air temperature for operation | -40...158 °F (-40...70 °C)   |
| IP degree of protection               | IP20 conforming to IEC 60529   |
| standards                             | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14  |
| product certifications                | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL   |
| vibration resistance                  | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6  |
| shock resistance                      | 30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 |

Contractual warranty

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

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

| Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board   | Connection by Faston Connectors  |
|---|--|
|    |  |
| <p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <sup>+0.4</sup><sub>0</sub> / 0.88 in. <sup>+0.016</sup><sub>0</sub>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |  |