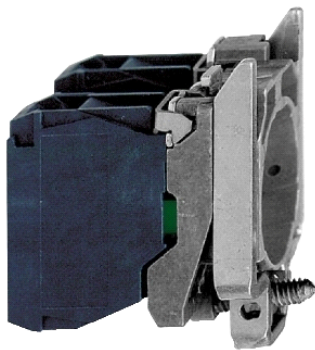




### Main

|                               |                                                               |
|-------------------------------|---------------------------------------------------------------|
| 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 | 1 NO + 1 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>0.1 in (2.6 mm) (NO changing electrical state)<br>0.17 in (4.3 mm) (total travel)                                                |
| Operating torque              | 0.44 lbf.in (0.05 N.m) (NO changing electrical state)                                                                                                                               |
| 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        | $\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4 |
| Customizable                  | No                                                                                                                                                                                  |
| Compatibility code            | ZB4                                                                                                                                                                                 |

### 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)                                                          |

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

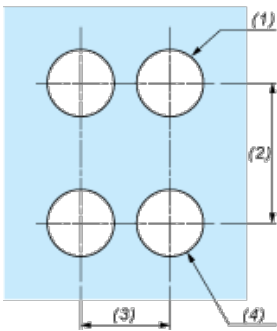
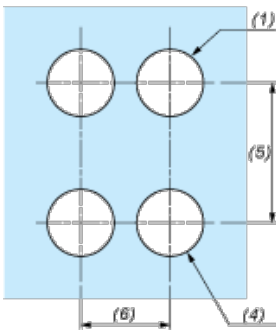
## Offer Sustainability

|                                                                                                                            |                                                                                                                            |
|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| WARNING: This product can expose you to chemicals including:                                                               | WARNING: This product can expose you to chemicals including:                                                               |
| Nickel compounds, which is known to the State of California to cause cancer, and                                           | Nickel compounds, which is known to the State of California to cause cancer, and                                           |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## 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 <math>^{+0.4}_0</math> / 0.88 in. <math>^{+0.016}_0</math>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                                                                     |