

# Product data sheet

Specifications



Push button, Harmony XB4, metal, projecting, green, 22mm, spring return, booted, unmarked, 1NO

XB4BP31

Product availability: Stock - Normally stocked in distribution facility

**Price\*: 53.00 USD**

## Main

|                                 |  |
|---------------------------------|--|
| Range of Product                | Harmony XB4  |
| Product or Component Type       | Push-button  |
| Device short name               | XB4  |
| Product Compatibility           | Not compatible with legend holder  |
| Bezel material                  | Chromium plated metal  |
| Fixing collar material          | Zamak  |
| Mounting diameter               | 0.9 in (22.5 mm)   |
| Sale per indivisible quantity   | 1  |
| Shape of signaling unit head    | Round  |
| Type of operator                | spring return  |
| Operator profile                | Green projecting, unmarked   |
| Head type                       | Standard   |
| Operator additional information | Clear boot   |
| Contacts type and composition   | 1 NO   |
| Contact operation               | Slow-break   |
| Connections - terminals         | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end IEC 60947-1<br>Screw clamp terminals, $1 \times 0.22...2 \times 2.5 \text{ mm}^2$ without cable end IEC 60947-1 |

## Complementary

|                                    |  |
|------------------------------------|--|
| Height                             | 1.9 in (47 mm)   |
| Width                              | 1.2 in (30 mm)   |
| Depth                              | 2.4 in (61 mm)   |
| Terminals description ISO n°1      | (13-14)NO  |
| Net Weight                         | 0.181 lb(US) (0.082 kg)  |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131.000000000 °F (55 °C) 0.1 m                         |
| Contacts usage                     | Standard contacts  |
| Positive opening                   | Without  |
| Operating travel                   | 0.1 in (2.6 mm) NO changing electrical state)<br>0.2 in (4.3 mm) total travel) |
| Operating force                    | 3.8 N NO changing electrical state   |
| Mechanical durability              | 10000000 cycles  |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

|  |  |
|--|--|
| <b>Tightening torque</b>                           | 7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 60947-1   |
| <b>Shape of screw head</b>                         | Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm  |
| <b>Contacts material</b>                           | Silver alloy (Ag/Ni)   |
| <b>Short-circuit protection</b>                    | 10 A cartridge fuse gG IEC 60947-5-1   |
| <b>[Ith] conventional free air thermal current</b> | 10 A IEC 60947-5-1   |
| <b>[Ui] rated insulation voltage</b>               | 600 V 3)IEC 60947-1  |
| <b>[Uimp] rated impulse withstand voltage</b>      | 6 kV IEC 60947-1   |
| <b>[Ie] rated operational current</b>              | 3 A 240 V, AC-15, A600 IEC 60947-5-1<br>6 A 120 V, AC-15, A600 IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 IEC 60947-5-1   |
| <b>Electrical durability</b>                       | 1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C |
| <b>Electrical reliability</b>                      | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment IEC 60947-5-4  |
| <b>Device presentation</b>                         | Complete product   |

## Environment

|  |   |
|--|---|
| <b>protective treatment</b>                  | TH  |
| <b>Ambient Air Temperature for Storage</b>   | -40.0000000000...158.0000000000 °F (-40...70 °C)  |
| <b>Ambient Air Temperature for Operation</b> | -40.0000000000...158.0000000000 °F (-40...70 °C)  |
| <b>Overvoltage category</b>                  | Class I IEC 60536   |
| <b>IP degree of protection</b>               | IP66 IEC 60529<br>IP67  |
| <b>NEMA degree of protection</b>             | NEMA 13<br>NEMA 4X  |
| <b>IK degree of protection</b>               | IK06 conforming to IEC 50102  |
| <b>Standards</b>                             | UL 508<br>IEC 60947-5-5<br>JIS C8201-5-1<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>IEC 60947-1<br>IEC 60947-5-4<br>JIS C8201-1 |
| <b>Product Certifications</b>                | BV<br>CSA<br>LROS (Lloyds register of shipping)<br>GL<br>UL Listed<br>DNV   |
| <b>Vibration resistance</b>                  | 5 gn 2...500 Hz)IEC 60068-2-6   |
| <b>Shock resistance</b>                      | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27          |

## Ordering and shipping details

|                   |               |
|-------------------|---------------|
| Category          | US10CS222468  |
| Discount Schedule | 0CS2          |
| GTIN              | 3389110887006 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                           |
|------------------------------|---------------------------|
| Unit Type of Package 1       | PCE                       |
| Number of Units in Package 1 | 1                         |
| Package 1 Height             | 1.378 in (3.500 cm)       |
| Package 1 Width              | 2.165 in (5.500 cm)       |
| Package 1 Length             | 3.346 in (8.500 cm)       |
| Package 1 Weight             | 2.907 oz (82.400 g)       |
| Unit Type of Package 2       | S03                       |
| Number of Units in Package 2 | 150                       |
| Package 2 Height             | 11.811 in (30.000 cm)     |
| Package 2 Width              | 11.811 in (30.000 cm)     |
| Package 2 Length             | 15.748 in (40.000 cm)     |
| Package 2 Weight             | 28.191 lb(US) (12.787 kg) |

## Contractual warranty

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

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency RoHS/REACH

## Well-being performance

Reach Free Of Svhc

Toxic Heavy Metal Free

Mercury Free

Rohs Exemption Information Yes

## Certifications & Standards

**Reach Regulation**

[REACH Declaration](#)

**Eu Rohs Directive**

Pro-active compliance (Product out of EU RoHS legal scope)

[EU RoHS Declaration](#)

**China Rohs Regulation**

[China RoHS declaration](#)

**Environmental Disclosure**

[Product Environmental Profile](#)

**Weee**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

**Circularity Profile**

[End of Life Information](#)

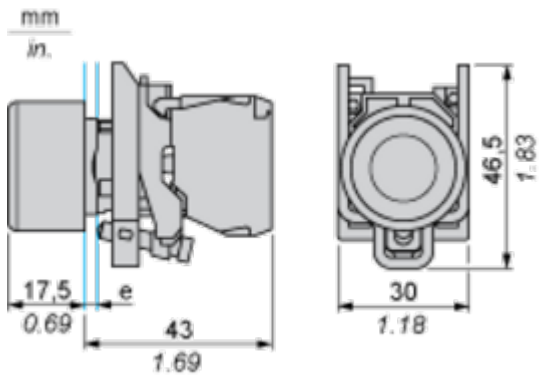
**California Proposition 65**

"WARNING: This product can expose you to chemicals including: 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 [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)"

Dimensions Drawings

Dimensions

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

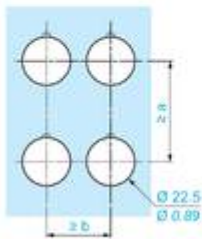
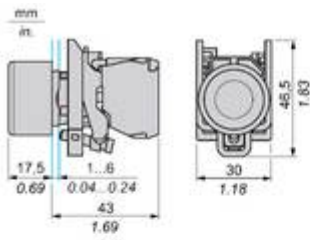
Mounting and Clearance

**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<br/>                 (2) 40 mm min. / 1.57 in. min.<br/>                 (3) 30 mm min. / 1.18 in. min.<br/>                 (4) <math>\varnothing 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm }_0^{+0.4} / 0.88 \text{ in. }_0^{+0.016})</math><br/>                 (5) 45 mm min. / 1.78 in. min.<br/>                 (6) 32 mm min. / 1.26 in. min.</p> |  |

Technical Illustration

Dimensions



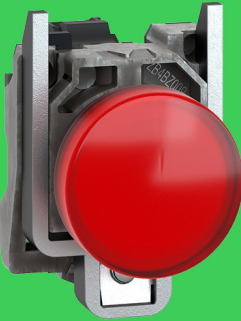
|           |           | a (mm) | a (in.) | b (mm) | b (in.) |
|-----------|-----------|--------|---------|--------|---------|
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....  | ZBV.....  |        |         |        |         |
|           |           | 45     | 1.77    | 32     | 1.26    |
| ZBE.....3 | ZBV.....3 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....4 | ZBV.....4 |        |         |        |         |
|           |           | 50     | 1.97    | 30     | 1.18    |
| ZBE.....5 | ZBV.....5 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....9 | ZBV.....9 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBRT•     | ZBRV1     |        |         |        |         |


Offer Marketing Illustration


Product benefits / Features


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### Features Harmony XB4




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Quick and easy assembly and disassembly
- 

Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board
- 

Excellent mechanical connection with operator head
- 

Large set of accessories to customize your panels
- 

Robustness to withstand harsh environments



Image of product / Alternate images

Alternative

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