

# Product data sheet

Specifications



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

XB4BP61

## 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               | 22.5 mm  |
| Sale Per Indivisible Quantity   | 1  |
| Shape Of Signaling Unit Head    | Round  |
| Type Of Operator                | spring return  |
| Operator Profile                | Blue 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 conforming to IEC 60947-1<br>Screw clamp terminals, $1 \times 0.22 \dots 2 \times 2.5 \text{ mm}^2$ without cable end conforming to IEC 60947-1 |

## Complementary

|                                    |  |
|------------------------------------|--|
| Height                             | 47 mm  |
| Width                              | 30 mm  |
| Depth                              | 61 mm  |
| Terminals Description Iso N°1      | (13-14)NO  |
| Net Weight                         | 0.082 kg   |
| Resistance To High Pressure Washer | 7000000 Pa at 55 °C, distance : 0.1 m                          |
| Contacts Usage                     | Standard contacts  |
| Positive Opening                   | Without  |
| Operating Travel                   | 2.6 mm (NO changing electrical state)<br>4.3 mm (total travel) |
| Operating Force                    | 3.8 N NO changing electrical state                             |
| Mechanical Durability              | 10000000 cycles  |

Disclaimer: 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

|   |  |
|---|--|
| Tightening Torque                           | 0.8...1.2 N.m conforming to IEC 60947-1  |
| Shape Of Screw Head                         | Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver  |
| Contacts Material                           | Silver alloy (Ag/Ni)   |
| Short-Circuit Protection                    | 10 A cartridge fuse type gG conforming to IEC 60947-5-1  |
| [Ith] Conventional Free Air Thermal Current | 10 A conforming to IEC 60947-5-1   |
| [Ui] Rated Insulation Voltage               | 600 V (pollution degree 3) conforming to IEC 60947-1   |
| [Uimp] Rated Impulse Withstand Voltage      | 6 kV conforming to IEC 60947-1   |
| [Ie] Rated Operational Current              | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1   |
| Electrical Durability                       | 1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical Reliability                      | $\Lambda < 10\text{exp}(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\text{exp}(-8)$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4  |
| Device Presentation                         | Complete product   |

## 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               | IP66 conforming to IEC 60529<br>IP67  |
| Nema Degree Of Protection             | NEMA 13<br>NEMA 4X  |
| Ik Degree Of Protection               | IK06 conforming to IEC 50102  |
| Standards                             | CSA C22.2 No 14<br>JIS C8201-5-1<br>IEC 60947-5-5<br>UL 508<br>IEC 60947-5-1<br>IEC 60947-5-4<br>IEC 60947-1<br>JIS C8201-1 |
| Product Certifications                | DNV<br>UL listed<br>CSA<br>GL<br>LROS (Lloyds register of shipping)<br>BV   |
| 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 |
|------------------|--|

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 1       | PCE       |
| Number Of Units In Package 1 | 1         |
| Package 1 Height             | 8.800 cm  |
| Package 1 Width              | 3.400 cm  |
| Package 1 Length             | 5.400 cm  |
| Package 1 Weight             | 85.900 g  |
| Unit Type Of Package 2       | BB1       |
| Number Of Units In Package 2 | 5         |
| Package 2 Height             | 8.800 cm  |
| Package 2 Width              | 3.400 cm  |
| Package 2 Length             | 27.000 cm |
| Package 2 Weight             | 430.000 g |
| Unit Type Of Package 3       | S02       |
| Number Of Units In Package 3 | 50        |
| Package 3 Height             | 15.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 4.529 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

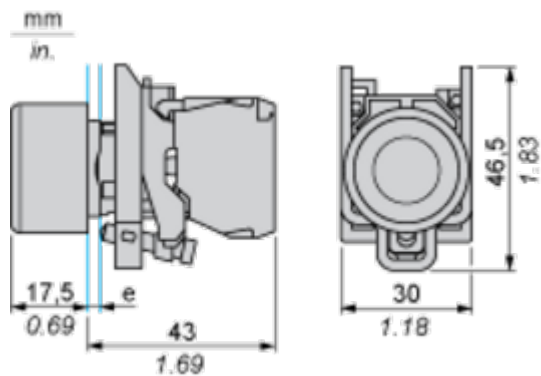
|   |                            |     |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc         |     |
| ✓ | Toxic Heavy Metal Free     |     |
| ✓ | Mercury Free               |     |
| ✓ | Rohs Exemption Information | Yes |

## Certifications & Standards

|                           |   |
|---------------------------|---|
| Reach Regulation          | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>   |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>   |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| Circularity Profile       | <a href="#">End of Life Information</a>   |
| 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 <a href="#">www.P65Warnings.ca.gov</a> |

Dimensions Drawings

Dimensions



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</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> |                                 |