

# Product datasheet

Specifications



## Complete push button, Harmony XB4, white pushbutton Ø22 mm, spring return, 1 NO, ATEX

Local distributor code:

398125244

XB4BPS11EX

**EAN Code: 3389118030176**

### Main

|                                 |                           |
|---------------------------------|---------------------------|
| Range of product                | Harmony XB4               |
| Product or component type       | Complete push-button      |
| Device short name               | XB4                       |
| Bezel material                  | Chromium plated metal     |
| Fixing collar material          | Zamak                     |
| Head type                       | Standard                  |
| Mounting diameter               | 22 mm                     |
| Sale per indivisible quantity   | 1                         |
| Dust zone                       | Zone 21 - 22              |
| Type of operator                | spring return             |
| Operator profile                | White projecting          |
| Operator additional information | Booted (coloured silicon) |
| Contacts type and composition   | 1 NO                      |

### Complementary

|                                    |                                                                                                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m                                                                                                                                       |
| Device mounting                    | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-1                                                                                                       |
| Fixing center                      | >= 30 x 40 mm (support panel)                                                                                                                                               |
| Embedding depth                    | 43 mm                                                                                                                                                                       |
| Marking                            | Ex tb IIIC                                                                                                                                                                  |
| Shape of signaling unit head       | Round                                                                                                                                                                       |
| Contact operation                  | Slow-break                                                                                                                                                                  |
| 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              | 5000000 cycles                                                                                                                                                              |
| Connections - terminals            | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm² without cable end conforming to IEC 60947-1 |
| Tightening torque                  | 0.8...1.2 N.m conforming to IEC 60947-1                                                                                                                                     |

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

## Environment

|                                       |                                                                                                                                                                                |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                             |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                                                    |
| Ambient air temperature for operation | -40...70 °C                                                                                                                                                                    |
| Overvoltage category                  | I conforming to IEC 60536                                                                                                                                                      |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K                                                                                                                          |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                                             |
| IK degree of protection               | IK03 conforming to IEC 50102                                                                                                                                                   |
| Standards                             | EN 50014<br>EN 50281-1-1<br>IEC 61241-0<br>IEC 61241-1                                                                                                                         |
| Directives                            | 94/9/EC - ATEX directive                                                                                                                                                       |
| Product certifications                | DNV<br>GL<br>INERIS 04ATEX9004U                                                                                                                                                |
| 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             | 3.5 cm   |
| Package 1 Width              | 14.0 cm  |
| Package 1 Length             | 20.0 cm  |
| Package 1 Weight             | 90.0 g   |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 10       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 1.094 kg |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                  |                                               |
|----------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint | 1                                             |
| Environmental Disclosure         | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                            |
|----------------------------------------|------------------------------------------------------------|
| Packaging made with recycled cardboard | No                                                         |
| Packaging without single use plastic   | No                                                         |
| <a href="#">EU RoHS Directive</a>      | Pro-active compliance (Product out of EU RoHS legal scope) |
| REACH Regulation                       | <a href="#">REACH Declaration</a>                          |

## Use Longer



### Lifetime extension

|                      |                   |
|----------------------|-------------------|
| Repair               | No                |
| Product repair index | <a href="#">A</a> |

## Use Again

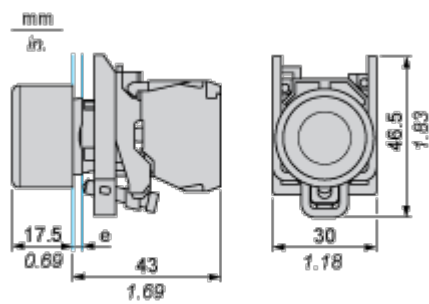


### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

Pushbutton



e : support 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 |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                                                                                                                       |                                 |
| <div><div>(1)</div><div>Diameter on finished panel or support</div><div>(2)</div><div>40 mm min. / 1.57 in. min.</div><div>(3)</div><div>30 mm min. / 1.18 in. min.</div><div>(4)</div><div>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>)</div><div>(5)</div><div>45 mm min. / 1.78 in. min.</div><div>(6)</div><div>32 mm min. / 1.26 in. min.</div></div> |                                 |

Technical Illustration

Dimensions

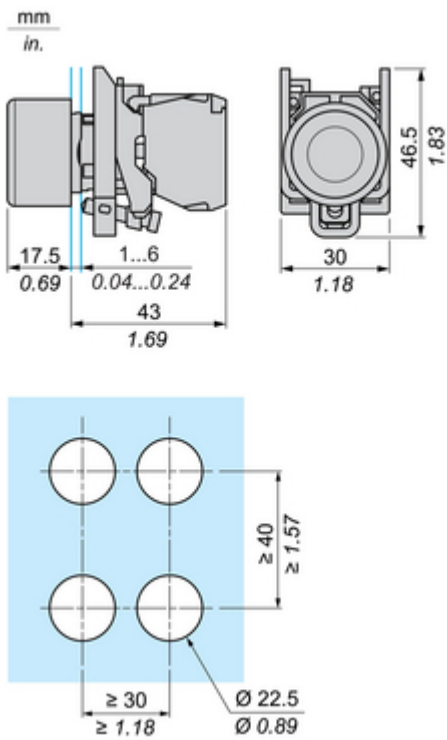


Image of product / Alternate images

Alternative

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