

# Product data sheet

Specifications



Illuminated push button, Harmony XB7, red projecting, 22mm, integral LED, push and push to release, 1NO, 24V AC

XB7NJ04B1

**Product availability:** Non-Stock - Not normally stocked in distribution facility

## Main

|                                 |   |
|---------------------------------|---|
| Range of Product                | Harmony XB7   |
| Product or Component Type       | Illuminated push-button   |
| Device short name               | XB7   |
| Mounting diameter               | 0.9 in (22 mm)  |
| Sale per indivisible quantity   | 10  |
| IP degree of protection         | IP20 IEC 60529 rear face)<br>IP65 IEC 60529 front face)   |
| Shape of signaling unit head    | Round   |
| Type of operator                | push and push-to-release  |
| Operator profile                | Red projecting, unmarked  |
| Operator additional information | With plain lens   |
| Contacts type and composition   | 1 NO  |
| Connections - terminals         | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end IEC 60947-1<br>Screw clamp terminals, 1 x 0.34...2 x 2.5 mm <sup>2</sup> without cable end IEC 60947-1 |
| Light source                    | LED   |
| Bulb base                       | Integral LED  |
| [Us] rated supply voltage       | 24 V AC/DC  |
| Device presentation             | Monolithic product  |

## Complementary

|                               |  |
|-------------------------------|--|
| CAD overall width             | 1.1 in (29 mm)   |
| CAD overall height            | 1.1 in (29 mm)   |
| CAD overall depth             | 2.3 in (57.5 mm)   |
| Terminals description ISO n°1 | (13-14)NO  |
| Net Weight                    | 0.051 lb(US) (0.023 kg)  |
| Device mounting               | Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1   |
| Fixing center                 | >= 30 x 40 mm support panel) metal 0.04...0.2 in (1...6 mm)<br>>= 30 x 40 mm support panel) plastic 0.08...0.2 in (2...6 mm) |
| Fixing mode                   | Fixing nut beneath head 17.7...21.2 lbf.in (2...2.4 N.m)   |
| Contact operation             | Slow-break   |
| Positive opening              | With (only NO)   |
| Mechanical durability         | 300000 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 JIS No 1<br>Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm  |
| <b>Short-circuit protection</b>                           | 4 A cartridge fuse gG IEC 60947-5-1  |
| <b>[Ui] rated insulation voltage</b>                      | 250 V 3)IEC 60947-1  |
| <b>[Ui<sub>imp</sub>] rated impulse withstand voltage</b> | 4 kV IEC 60947-1   |
| <b>[Ie] rated operational current</b>                     | 0.1 A 250 V, DC-13, R300 IEC 60947-5-1<br>0.22 A 125 V, DC-13, R300 IEC 60947-5-1<br>0.3 A 240 V, AC-14, D300 IEC 60947-5-1<br>0.6 A 120 V, AC-14, D300 IEC 60947-5-1  |
| <b>Electrical durability</b>                              | 1000000 cycles, DC-13, 0.3 A 24 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.03 A 230 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.09 A 240 V 108000 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| <b>Electrical reliability</b>                             | $\Lambda \leq 10^6$ 17 V 5 mA IEC 60947-5-4  |
| <b>Signalling type</b>                                    | Steady   |
| <b>Supply voltage limits</b>                              | 19.2...30 V DC<br>21.6...26.4 V AC   |
| <b>Current Consumption</b>                                | 18...27 mA   |
| <b>Service life</b>                                       | 70000 h at rated voltage and 25 °C   |

## Environment

|  |   |
|--|---|
| <b>Protective treatment</b>                  | TH  |
| <b>Ambient Air Temperature for Storage</b>   | -40...158 °F (-40...70 °C)  |
| <b>Ambient Air Temperature for Operation</b> | -13...158 °F (-25...70 °C)  |
| <b>Electrical shock protection class</b>     | Class II conforming to IEC 61140  |
| <b>NEMA degree of protection</b>             | NEMA 12 UL 50 E   |
| <b>Standards</b>                             | UL 508<br>IEC 60947-1<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>IEC 60947-5-1<br>JIS C8201-1           |
| <b>Product Certifications</b>                | GOST<br>CCC   |
| <b>Vibration resistance</b>                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6  |
| <b>Shock resistance</b>                      | 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27<br>30 gn 18 ms) half sine wave acceleration |
| <b>Electromagnetic emission</b>              | Class B IEC 55011   |

## Ordering and shipping details

|                          |               |
|--------------------------|---------------|
| <b>Category</b>          | US10CS222464  |
| <b>Discount Schedule</b> | 0CS2          |
| <b>GTIN</b>              | 3606480470400 |
| <b>Returnability</b>     | Yes           |
| <b>Country of origin</b> | ID            |

## Packing Units

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|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Nbr. of units in pkg.        | 1                       |
| Package 1 Height             | 2.362 in (6.000 cm)     |
| Package 1 Width              | 1.260 in (3.200 cm)     |
| Package 1 Length             | 1.260 in (3.200 cm)     |
| Package weight(Lbs)          | 0.847 oz (24.000 g)     |
| Unit Type of Package 2       | BB1                     |
| Number of Units in Package 2 | 10                      |
| Package 2 Height             | 27.559 in (70.000 cm)   |
| Package 2 Width              | 3.937 in (10.000 cm)    |
| Package 2 Length             | 3.937 in (10.000 cm)    |
| Package 2 Weight             | 8.677 oz (246.000 g)    |
| Unit Type of Package 3       | S01                     |
| Number of Units in Package 3 | 100                     |
| Package 3 Height             | 5.906 in (15.000 cm)    |
| Package 3 Width              | 5.906 in (15.000 cm)    |
| Package 3 Length             | 15.748 in (40.000 cm)   |
| Package 3 Weight             | 5.864 lb(US) (2.660 kg) |

## Contractual warranty

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



## 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

Carbon footprint (kg CO<sub>2</sub> eq, Total Life cycle) **1**

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard **Yes**

Packaging without single use plastic **No**

[EU RoHS Directive](#) **Pro-active compliance (Product out of EU RoHS legal scope)**

SCIP Number **9de3586d-931e-44c1-997c-5e2eb5704000**

California proposition 65 **WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](#)**

## Use Again

### Repack and remanufacture

Circularity Profile [End of Life Information](#)

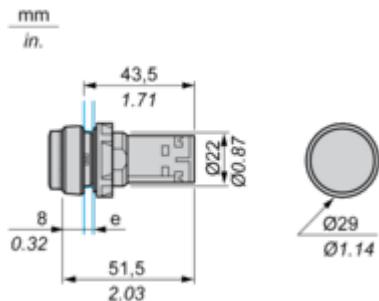
Take-back **No**

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

## Dimensions Drawings

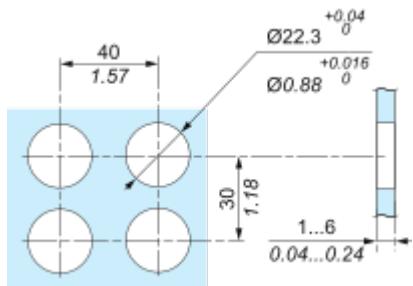
Illuminated Pushbutton

## Dimensions



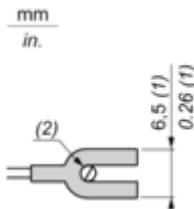
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

## Mounting and Clearance

Panel cut-out

**“U” Type Tag Connection**

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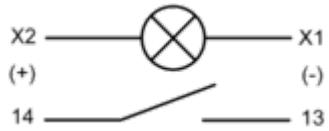


(1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.

(2) M3 screw clamp terminal.

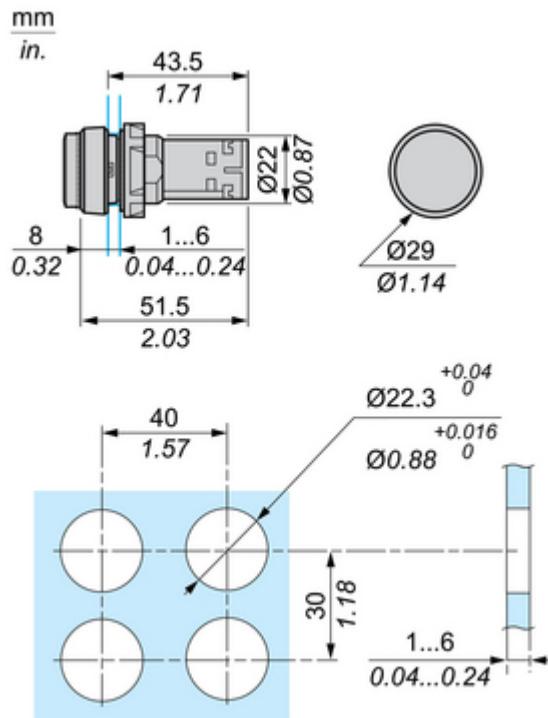
Connections and Schema

Wiring Diagram



## Technical Illustration

## Dimensions



Technical Illustration

Wiring diagram

