

# Product datasheet

Specifications



Harmony XB7, Monolithic illuminated push button, plastic, red, Ø22, integral LED, spring return, 24 V AC/DC, 1 NO

XB7NW34B1

! Discontinued

! Discontinued on: 9 Feb 2023

EAN Code: 3606480470790

## Main

|                               |                                                                                                                                                                                                     |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB7                                                                                                                                                                                         |
| Product or component type     | Illuminated push-button                                                                                                                                                                             |
| Device short name             | XB7                                                                                                                                                                                                 |
| Mounting diameter             | 22 mm                                                                                                                                                                                               |
| Sale per indivisible quantity | 10                                                                                                                                                                                                  |
| IP degree of protection       | IP20 (rear face) conforming to IEC 60529<br>IP65 (front face) conforming to IEC 60529                                                                                                               |
| Shape of signaling unit head  | Round                                                                                                                                                                                               |
| Type of operator              | spring return                                                                                                                                                                                       |
| Operator profile              | Red projecting, unmarked                                                                                                                                                                            |
| Contacts type and composition | 1 NO                                                                                                                                                                                                |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.34...2 x 2.5 mm <sup>2</sup> without cable end conforming to 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             | 29 mm                                                                                                                    |
| CAD overall height            | 29 mm                                                                                                                    |
| CAD overall depth             | 57.5 mm                                                                                                                  |
| Terminals description ISO n°1 | (13-14)NO                                                                                                                |
| Product weight                | 0.023 kg                                                                                                                 |
| 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) metal - thickness: 1...6 mm<br>>= 30 x 40 mm (support panel) plastic - thickness: 2...6 mm |
| Fixing mode                   | Fixing nut beneath head: 2...2.4 N.m                                                                                     |
| Contact operation             | Slow-break                                                                                                               |
| Positive opening              | With (only NO)                                                                                                           |

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

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Mechanical durability                  | 300000 cycles                                                                                                                                                                                                                                                                                                                                                                                    |
| Tightening torque                      | 0.8...1.2 N.m conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                          |
| Shape of screw head                    | Cross compatible with JIS No 1 screwdriver<br>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                                                                                                                                          |
| Short-circuit protection               | 4 A cartridge fuse type gG conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                           |
| [Ui] rated insulation voltage          | 250 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                             |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                   |
| [Ie] rated operational current         | 0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.3 A at 240 V, AC-14, D300 conforming to IEC 60947-5-1<br>0.6 A at 120 V, AC-14, D300 conforming to IEC 60947-5-1                                                                                                                                                        |
| Electrical durability                  | 1000000 cycles, DC-13, 0.3 A at 24 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.03 A at 230 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.09 A at 240 V, operating rate <108000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical reliability                 | $\Lambda \leq 10\exp(-6)$ at 17 V and 5 mA conforming to IEC 60947-5-4                                                                                                                                                                                                                                                                                                                           |
| Signalling type                        | Steady                                                                                                                                                                                                                                                                                                                                                                                           |
| Supply voltage limits                  | 19.2...30 V DC<br>21.6...26.4 V AC                                                                                                                                                                                                                                                                                                                                                               |
| Current consumption                    | 18...27 mA                                                                                                                                                                                                                                                                                                                                                                                       |
| Service life                           | 70000 h at rated voltage and 25 °C                                                                                                                                                                                                                                                                                                                                                               |

## Environment

|                                       |                                                                                                                                                   |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                       |
| Ambient air temperature for operation | -25...70 °C                                                                                                                                       |
| Electrical shock protection class     | Class II conforming to IEC 61140                                                                                                                  |
| Enclosure Type                        | UL type 12                                                                                                                                        |
| Standards                             | JIS C8201-5-1<br>UL 508<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>IEC 60947-1<br>JIS C8201-1                                                         |
| Product certifications                | GOST<br>CCC                                                                                                                                       |
| Vibration resistance                  | 5 gn ( $f = 2...500$ Hz) conforming to IEC 60068-2-6                                                                                              |
| Shock resistance                      | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn (duration = 18 ms) for half sine wave acceleration |
| Electromagnetic emission              | Class B conforming to IEC 55011                                                                                                                   |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 6.000 cm |

|                              |           |
|------------------------------|-----------|
| Package 1 Width              | 3.200 cm  |
| Package 1 Length             | 3.200 cm  |
| Package 1 Weight             | 24.000 g  |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 10        |
| Package 2 Height             | 6.000 cm  |
| Package 2 Width              | 3.200 cm  |
| Package 2 Length             | 3.200 cm  |
| Package 2 Weight             | 244.000 g |
| Unit Type of Package 3       | S01       |
| Number of Units in Package 3 | 100       |
| Package 3 Height             | 15.000 cm |
| Package 3 Width              | 15.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 2.762 kg  |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | ID |
|-------------------|----|

## 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 kg CO2 eq.                                  |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.5 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 0.7 kg CO2 eq.                                |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0 kg CO2 eq.                                  |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                        |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                    |
| Packaging without single use plastic   | No                                                                                     |
| SCIP Number                            | Eb133e87-3df9-4bcd-b666-23e86eb33958                                                   |
| EU RoHS Directive                      | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                       | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



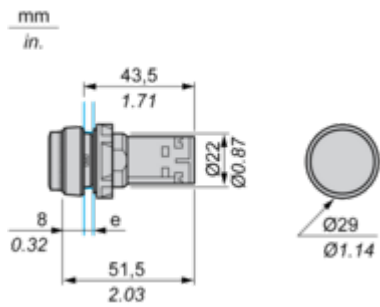
### Repack and remanufacture

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

Illuminated Pushbutton

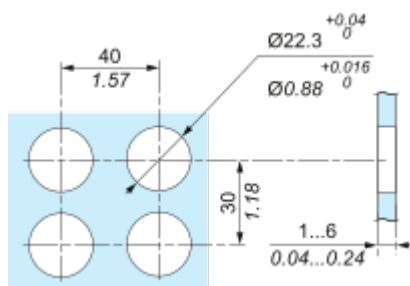
Dimensions



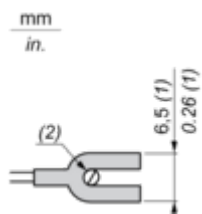
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

## Mounting and Clearance

### Panel cut-out



“U” Type Tag Connection

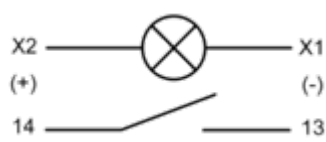


- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

Connections and Schema

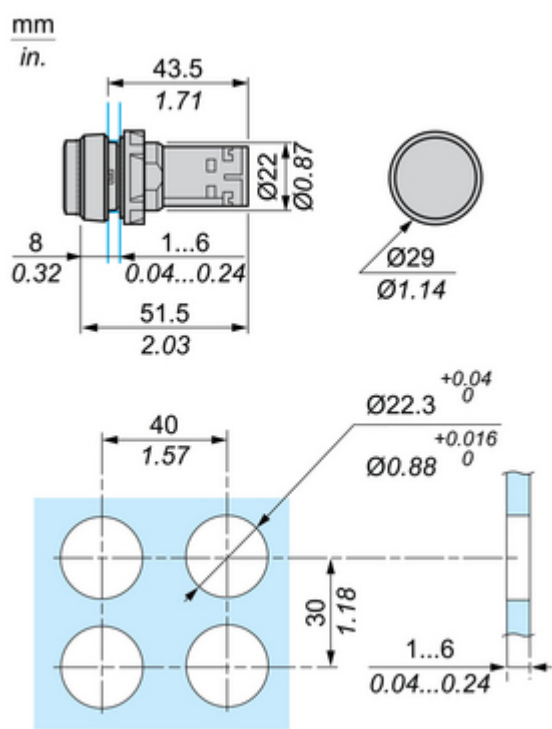
Wiring

---



Technical Illustration

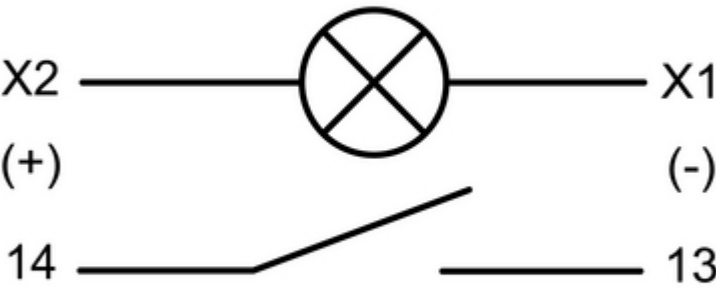
Dimensions



Technical Illustration

Wiring diagram

---



Offer Marketing Illustration

Product benefits / Features

### Features

Harmony All-in-one monolithic offers



Good resistance to chemical agents with double electrical insulation



Monolithic design - easy to select



Quick to install by eliminating the need for components



Safety compliant: Finger protected



Offer Marketing Illustration

Product benefits / Features



Image of product / Alternate images

Alternative

---



