

Product data sheet

Specifications



Monolithic push button, Harmony XB7, plastic, green, 22mm, spring return, unmarked, 1NO

XB7NA31

Product availability: Stock - Normally stocked in distribution facility

Main

| | |
|-------------------------------|--|
| Range of Product | Harmony XB7 |
| Product or Component Type | 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) IP65 IEC 60529 front face) |
| Shape of signaling unit head | Round |
| Type of operator | spring return |
| Operator profile | Green flush, unmarked |
| Contacts type and composition | 1 NO |
| Connections - terminals | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end IEC 60947-1 Screw clamp terminals, $1 \times 0.34 \dots 2 \times 2.5 \text{ mm}^2$ without cable end IEC 60947-1 |
| Device presentation | Monolithic product |

Complementary

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|-------------------------------|--|
| CAD overall width | 1.1 in (29 mm) |
| CAD overall height | 1.1 in (29 mm) |
| CAD overall depth | 2.03 in (51.5 mm) |
| Terminals description ISO n°1 | (13-14)NO |
| Net Weight | 0.046 lb(US) (0.021 kg) |
| Device mounting | Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1 |
| Fixing center | $\geq 30 \times 40 \text{ mm}$ support panel) metal 0.04...0.2 in (1...6 mm) $\geq 30 \times 40 \text{ mm}$ 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 | 1000000 cycles |
| Tightening torque | 7.08...10.6 lbf.in (0.8...1.2 N.m) IEC 60947-1 |
| Shape of screw head | Cross JIS No 1 Cross Philips no 1 Cross pozidriv No 1 Slotted flat $\varnothing 4 \text{ mm}$ Slotted flat $\varnothing 5.5 \text{ mm}$ |
| Short-circuit protection | 4 A cartridge fuse gG IEC 60947-5-1 |

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

| | |
|---|--|
| [Ui] rated insulation voltage | 250 V 3)IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 4 kV IEC 60947-1 |
| [Ie] rated operational current | 0.1 A 250 V, DC-13, R300 IEC 60947-5-1 0.22 A 125 V, DC-13, R300 IEC 60947-5-1 0.3 A 240 V, AC-14, D300 IEC 60947-5-1 0.6 A 120 V, AC-14, D300 IEC 60947-5-1 |
| Electrical durability | 1000000 cycles, DC-13, 0.3 A 24 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.03 A 230 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.09 A 240 V 108000 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Electrical reliability | $\Lambda \leq 10\exp(-6)$ 17 V, 5 mA IEC 60947-5-4 |

Environment

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|--|--|
| Protective treatment | TH |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C) |
| Overvoltage category | Class II conforming to IEC 61140 |
| NEMA degree of protection | NEMA 12 UL 50 E NEMA 3 UL 50 E |
| Standards | UL 508 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-5-1 IEC 60947-1 JIS C8201-1 |
| Product Certifications | GOST CCC |
| Vibration resistance | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 |

Ordering and shipping details

| | |
|--------------------------|---------------|
| Category | US10CS222464 |
| Discount Schedule | 0CS2 |
| GTIN | 3606480470011 |
| Returnability | Yes |
| Country of origin | ID |

Packing Units

| | |
|-------------------------------------|---------------------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 1.97 in (5.000 cm) |
| Package 1 Width | 3.98 in (10.100 cm) |
| Package 1 Length | 5.31 in (13.500 cm) |
| Package 1 Weight | 0.705 oz (20.000 g) |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 1.97 in (5.000 cm) |

| | |
|-------------------------------------|-------------------------|
| Package 2 Width | 7.68 in (19.500 cm) |
| Package 2 Length | 10.04 in (25.500 cm) |
| Package 2 Weight | 6.878 oz (195.000 g) |
| Unit Type of Package 3 | S01 |
| Number of Units in Package 3 | 100 |
| Package 3 Height | 5.91 in (15.000 cm) |
| Package 3 Width | 5.91 in (15.000 cm) |
| Package 3 Length | 15.75 in (40.000 cm) |
| Package 3 Weight | 4.993 lb(US) (2.265 kg) |

Contractual warranty

| | |
|-----------------|-----------|
| 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 CO2 eq, Total Life cycle) | 1 |
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Use Better

Materials and Substances

| | |
|--------------------------------------|----|
| Packaging without single use plastic | No |
|--------------------------------------|----|

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

| | |
|-------------|--------------------------------------|
| SCIP Number | A04d4774-6224-4743-8a81-6c194ff09180 |
|-------------|--------------------------------------|

| | |
|------------------|-----------------------------------|
| REACH Regulation | REACH Declaration |
|------------------|-----------------------------------|

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

Use Again

Repack and remanufacture

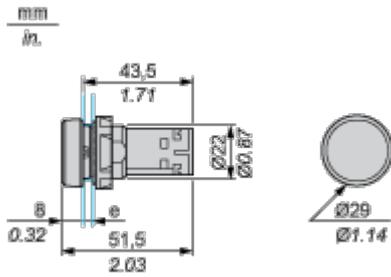
| | |
|-----------|----|
| Take-back | No |
|-----------|----|

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

Pushbutton, Flush Type

Dimensions

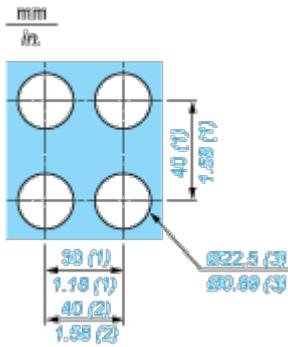


e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting and Clearance

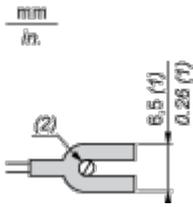
Mounting

Diameter of Finished Fixing Holes



- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

“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 Diagram

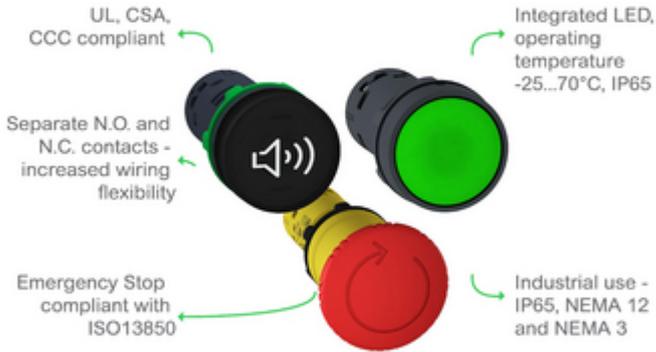


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony All-in-one monolithic offers



Offer Marketing Illustration

Product benefits / Features

The infographic is set against a green background. At the top, the word "Features" is written in white, followed by the subtitle "Harmony All-in-one monolithic offers". In the center, there are two images of the product: a black one and a red one. Surrounding these images are four circular icons, each with a white background and a green border. The top-left icon contains a checkmark, the top-right a lightbulb, the bottom-left a screwdriver, and the bottom-right a hand with a finger protected by a shield. Each icon is accompanied by a short text description in white.

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

Image of product / Alternate images

Alternative



