

# 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) 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 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
Product 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) >= 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 Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm 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 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
<b>Electrical durability</b>	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
<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 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 IEC 60947-1 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-5-1 JIS C8201-1
<b>Product Certifications</b>	GOST 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 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

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	2.36 in (6.000 cm)
Package 1 Width	1.26 in (3.200 cm)
Package 1 Length	1.26 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	27.56 in (70.000 cm)
Package 2 Width	3.94 in (10.000 cm)
Package 2 Length	3.94 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	5.91 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	5.864 lb(US) (2.660 kg)

## Contractual warranty

Warranty	18 months
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## 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

## 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

Take-back

No

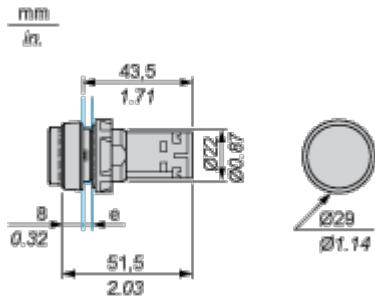
WEEE Label

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

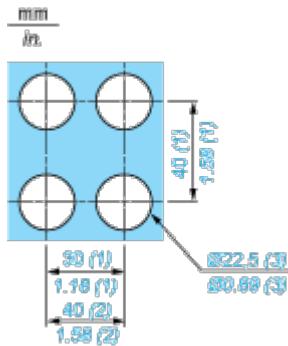


e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

## Mounting and Clearance

Mounting

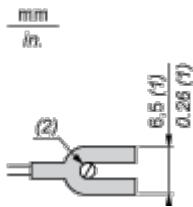
## Diameter of Finished Fixing Holes



- (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**

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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

