

# Product data sheet

Specifications



## Push button, Harmony XB7, round yellow flush, 22mm, spring return, 1NO, unmarked

XB7NA81

**Product availability: Non-Stock - Not 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	Yellow 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

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.

<b>[Ui] rated insulation voltage</b>	250 V 3)IEC 60947-1
<b>[Uimp] 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>	$\Lambda \leq 10\exp(-6)$ 17 V, 5 mA IEC 60947-5-4

## 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>Overvoltage category</b>	Class II conforming to IEC 61140
<b>NEMA degree of protection</b>	NEMA 12 UL 50 E NEMA 3 UL 50 E
<b>Standards</b>	CSA C22.2 No 14 JIS C8201-5-1 UL 508 IEC 60947-1 IEC 60947-5-1 JIS C8201-1
<b>Product Certifications</b>	CCC GOST
<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 IEC 60068-2-27

## Ordering and shipping details

<b>Category</b>	US10CS222464
<b>Discount Schedule</b>	0CS2
<b>GTIN</b>	3606480470226
<b>Returnability</b>	No
<b>Country of origin</b>	ID

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Nbr. of units in pkg.</b>	1
<b>Package 1 Height</b>	1.18 in (3.000 cm)
<b>Package 1 Width</b>	1.18 in (3.000 cm)
<b>Package 1 Length</b>	2.28 in (5.800 cm)
<b>Package weight(Lbs)</b>	0.670 oz (19.000 g)
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	10
<b>Package 2 Height</b>	1.38 in (3.500 cm)

<b>Package 2 Width</b>	7.48 in (19.000 cm)
<b>Package 2 Length</b>	7.87 in (20.000 cm)
<b>Package 2 Weight</b>	6.702 oz (190.000 g)
<b>Unit Type of Package 3</b>	S01
<b>Number of Units in Package 3</b>	100
<b>Package 3 Height</b>	5.91 in (15.000 cm)
<b>Package 3 Width</b>	5.91 in (15.000 cm)
<b>Package 3 Length</b>	15.75 in (40.000 cm)
<b>Package 3 Weight</b>	4.572 lb(US) (2.074 kg)

## Contractual warranty

<b>Warranty</b>	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
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## Use Better

### Materials and Substances

Packaging without single use plastic	No
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<a href="#">EU RoHS Directive</a>	Pro-active compliance (Product out of EU RoHS legal scope)
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SCIP Number	A04d4774-6224-4743-8a81-6c194ff09180
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REACH Regulation	<a href="#">REACH Declaration</a>
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California proposition 65	<b>WARNING:</b> 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
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## Use Again

### Repack and remanufacture

Take-back	No
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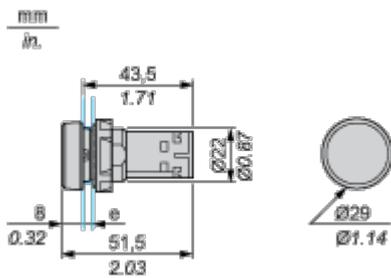
WEEE	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.
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Dimensions Drawings

Pushbutton, Flush Type

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Dimensions



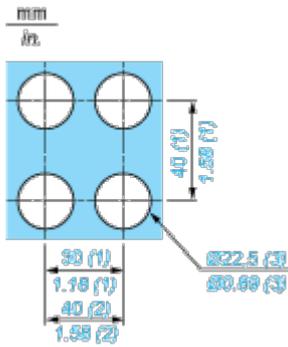
- e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting and Clearance

**Mounting**

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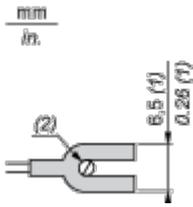
**Diameter of Finished Fixing Holes**



- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value:  $\varnothing$  22.3 (0; + 0.4) mm/ $\varnothing$  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**

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