

# Product data sheet

Specifications



Push button, Harmony XB7, round black flush, 22mm, push to release, 1NO + 1NC, unmarked

XB7NH25

## Main

Range of product	Harmony XB7
Product or component type	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 IP65 (front face) conforming to IEC 60529
Shape of signaling unit head	Round
Type of operator	push and push-to-release
Operator profile	Black flush
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1 Screw clamp terminals, $1 \times 0.34\dots 2 \times 2.5 \text{ mm}^2$ without cable end conforming to IEC 60947-1
Device presentation	Monolithic product

## Complementary

CAD overall width	29 mm
CAD overall height	29 mm
CAD overall depth	51.5 mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Product weight	0.021 kg
Device mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-1
Fixing center	$\geq 30 \times 40 \text{ mm}$ (support panel) metal - thickness: 1...6 mm $\geq 30 \times 40 \text{ mm}$ (support panel) plastic - thickness: 2...6 mm
Fixing mode	Fixing nut beneath head: 2...2.4 N.m
Marking	Unmarked
Contact operation	Slow-break
Positive opening	With NC contact conforming to IEC 60947-5-1 appendix K
Mechanical durability	300000 cycles
Tightening torque	0.8...1.2 N.m conforming to IEC 60947-1

<b>Shape of screw head</b>	Cross compatible with JIS No 1 screwdriver Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver
<b>Short-circuit protection</b>	4 A cartridge fuse type gG conforming to IEC 60947-5-1
<b>[Ui] rated insulation voltage</b>	250 V (pollution degree 3) conforming to IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	4 kV conforming to IEC 60947-1
<b>[Ie] rated operational current</b>	0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1 0.3 A at 240 V, AC-14, D300 conforming to IEC 60947-5-1 0.6 A at 120 V, AC-14, D300 conforming to IEC 60947-5-1
<b>Electrical durability</b>	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 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 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
<b>Electrical reliability</b>	$\Lambda \leq 10\exp(-6)$ at 17 V, 5 mA conforming to IEC 60947-5-4

## Environment

<b>Protective treatment</b>	TH
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Ambient air temperature for operation</b>	-25...70 °C
<b>Overvoltage category</b>	Class II conforming to IEC 61140
<b>NEMA degree of protection</b>	NEMA 12 conforming to UL 50 E NEMA 3 conforming to UL 50 E
<b>Standards</b>	IEC 60947-1 CSA C22.2 No 14 JIS C8201-5-1 UL 508 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 (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	3 cm
<b>Package 1 Width</b>	12 cm
<b>Package 1 Length</b>	12 cm
<b>Package 1 Weight</b>	23 g

## 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

Total lifecycle Carbon footprint	1
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## Use Better

### Materials and Substances

Packaging made with recycled cardboard	Yes
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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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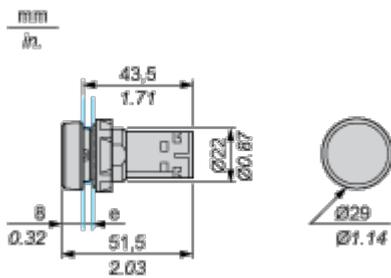
WEEE Label	 The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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Dimensions Drawings

Pushbutton, Flush Type

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Dimensions



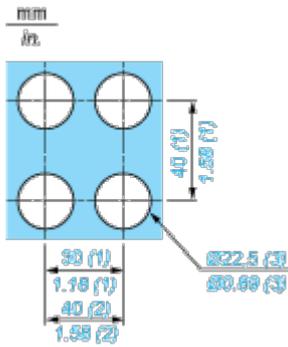
- e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting and Clearance

Mounting

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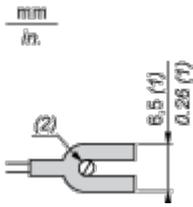
Diameter of Finished Fixing Holes



- (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**

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