

# Product datasheet

Specifications



Push button, Harmony XB5N XB7N,  
plastic, flush, blue, 22mm, spring  
return, unmarked, 1 NO

XB5AA61N

## Main

Range of product	Harmony XB5N/XB7N
Product or component type	Push-button
Device short name	XB5N
Product compatibility	ZB5...N
Bezel material	Dark grey plastic
Head type	Standard
Fixing collar material	Plastic
Mounting diameter	22.5 mm
Sale per indivisible quantity	20
Shape of signaling unit head	Round
Type of operator	spring return
Operator profile	Blue flush, unmarked
Contacts type and composition	1 NO
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1
[Us] rated supply voltage	24 V AC/DC at 50/60 Hz

## Complementary

Height	42 mm
width	30 mm
Depth	52 mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.037 kg
Device mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60957-5-1
Fixing mode	Fixing nut recommended torque: 2.2 N.m (+/- 0.2 N.m)
Contacts usage	Standard contacts
Positive opening	Without
Operating travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Operating force	3.5 N NC changing electrical state 3.8 N NO changing electrical state

<b>Mechanical durability</b>	5000000 cycles
<b>Tightening torque</b>	0.8...1.2 N.m conforming to IEC 60947-1
<b>Shape of screw head</b>	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>Contacts material</b>	Silver alloy (Ag/Ni)
<b>Short-circuit protection</b>	10 A cartridge fuse type gG conforming to IEC 60947-5-1
<b>[Ith] conventional free air thermal current</b>	10 A conforming to IEC 60947-5-1
<b>[Ui] rated insulation voltage</b>	600 V (pollution degree 3) conforming to IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to IEC 60947-1
<b>[Ie] rated operational current</b>	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1
<b>Electrical durability</b>	1000000 cycles AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1: appendix C 1000000 cycles AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1: appendix C 1000000 cycles AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1: appendix C 1000000 cycles DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1: appendix C 1000000 cycles AC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1: appendix C
<b>Electrical reliability</b>	$\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4
<b>Device presentation</b>	Complete product
<b>customizable</b>	No
<b>Customizable</b>	0
<b>Compatibility code</b>	XB5

## 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 60536
<b>Standards</b>	IEC 60947-5-4 IEC 60947-1 IEC 60947-5-1 IS 13947-5-1
<b>Product certifications</b>	CE
<b>Vibration resistance</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
<b>Electromagnetic emission</b>	Class B conforming to IEC 55011
<b>IP degree of protection</b>	IP65
<b>IK degree of protection</b>	IK03

## Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.500 cm
Package 1 Width	4.500 cm
Package 1 Length	8.000 cm
Package 1 Weight	28.000 g
Unit Type of Package 2	S02
Number of Units in Package 2	80
Package 2 Height	15.000 cm
Package 2 Width	30.000 cm
Package 2 Length	40.000 cm
Package 2 Weight	2.517 kg

## 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.

[How this information helps you >](#)

### Environmental footprint

Carbon footprint (kg.eq.CO2 per CR, Total Life cycle) **1**

[Environmental Disclosure](#)

[Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging without single use plastic **No**

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

REACH Regulation [REACH Declaration](#)

China RoHS Regulation [China RoHS declaration](#)

## Use Again

### Repack and remanufacture

[Circularity Profile](#)

[End of Life Information](#)

WEEE



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

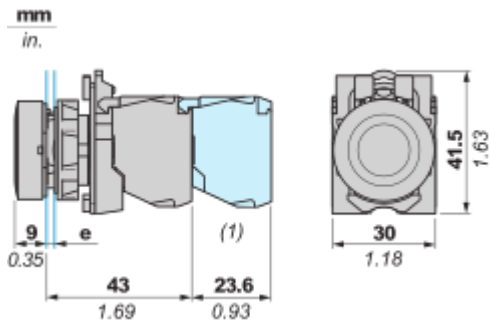
Take-back

**No**

Dimensions Drawings

**Dimensions**

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e: clamping thickness 1 to 6 mm (0.04 to 0.24 in.)

(1) Additional row of contacts or double contact

Technical Illustration

Dimensions

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mm  
in.

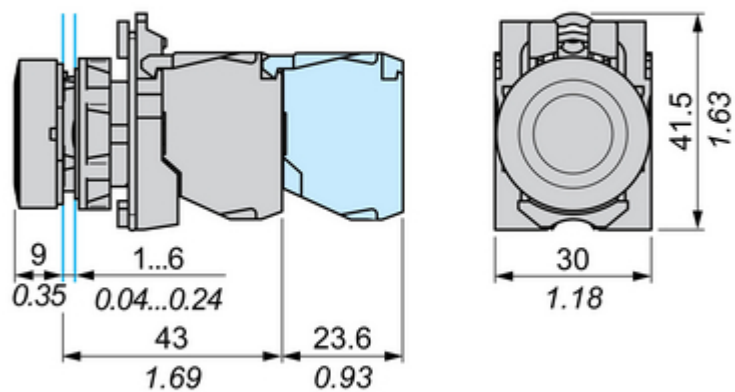


Image of product / Alternate images

Alternative

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Image of product in real life situation

