

# Product datasheet

Specifications



## Selector switch, Harmony XB5N XB7N, plastic, black, 22mm, short handle, 2 position, stay put, 1 NO

XB5AD21N

### Main

Range of product	Harmony XB5N/XB7N
Product or component type	Selector switch
Device short name	XB5N
Bezel material	Dark grey plastic
Fixing collar material	Plastic
Head type	Standard
Mounting diameter	22.5 mm
Sale per indivisible quantity	20
Shape of signaling unit head	Round
Type of operator	2 stay put
Operator profile	Black standard handle
Operator position information	2 positions 90°
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

### Complementary

Height	42 mm
width	30 mm
Depth	70 mm
Terminals description ISO n°1	(13-14)NO
Net weight	0.043 kg
Device mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-5-1
Contacts usage	Standard contacts
Positive opening	Without
Torque value	0.14 N.m NO changing electrical state
Mechanical durability	1000000 cycles
Tightening torque	0.8...1.2 N.m conforming to IEC 60947-1
Shape of screw head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat $\varnothing 4 \text{ mm}$ screwdriver Slotted compatible with flat $\varnothing 5.5 \text{ mm}$ 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>[I<sub>th</sub>] conventional free air thermal current</b>	10 A conforming to IEC 60947-5-1
<b>[U<sub>i</sub>] rated insulation voltage</b>	600 V (pollution degree 3) conforming to IEC 60947-1
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	6 kV conforming to IEC 60947-1
<b>[I<sub>e</sub>] rated operational current</b>	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 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 0.55 A at 125 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
<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, DC-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>	$\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4
<b>Surge withstand</b>	1 kV conforming to IEC 61000-4-5
<b>Device presentation</b>	Complete product
<b>Overvoltage category</b>	Class II conforming to IEC 60536
<b>Product compatibility</b>	ZB5...N

## 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>Electrical shock protection class</b>	Class II conforming to IEC 60536
<b>IK degree of protection</b>	IK04 conforming to IEC 50102
<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>Resistance to electromagnetic fields</b>	10 V/m conforming to IEC 61000-4-3
<b>Electromagnetic emission</b>	Class B conforming to IEC 55011
<b>IP degree of protection</b>	IP65

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1

<b>Package 1 Height</b>	8.6 cm
<b>Package 1 Width</b>	3.3 cm
<b>Package 1 Length</b>	5.2 cm
<b>Package 1 Weight</b>	44 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	20
<b>Package 2 Height</b>	11 cm
<b>Package 2 Width</b>	16 cm
<b>Package 2 Length</b>	28 cm
<b>Package 2 Weight</b>	996 g
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	100
<b>Package 3 Height</b>	30 cm
<b>Package 3 Width</b>	30 cm
<b>Package 3 Length</b>	40 cm
<b>Package 3 Weight</b>	5675 g

## 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
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[Environmental Disclosure](#)

[Product Environmental Profile](#)

## 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)
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REACH Regulation	<a href="#">REACH Declaration</a>
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China RoHS Regulation	<a href="#">China RoHS declaration</a>
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## 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

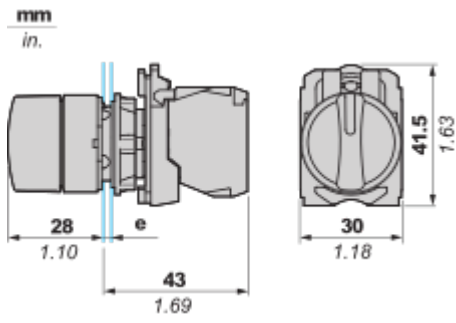
Take-back

No

Dimensions Drawings

Dimensions

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

Technical Illustration

Dimensions

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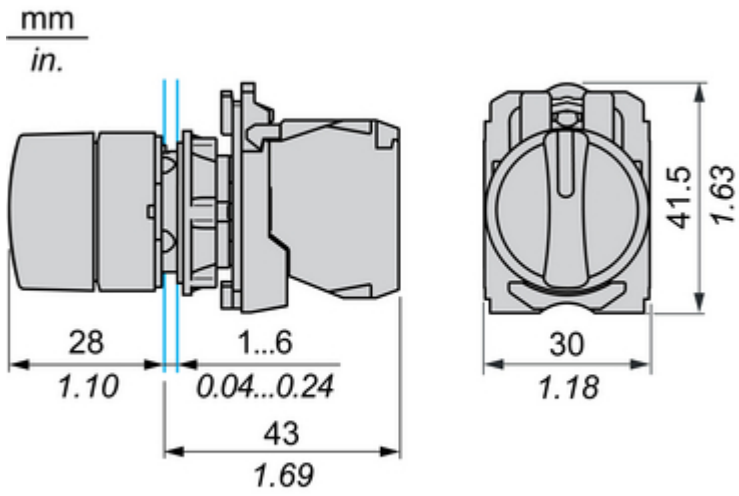


Image of product / Alternate images

Alternative

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Image of product in real life situation

