

Product data sheet

Specifications



Monolithic selector switch, Harmony XB7, plastic, black, 22mm, stay put, 2 positions, stay put, 1NO+1NC

XB7ND25

Main

Range of product	Harmony XB7
Product or component type	Selector switch
Device short name	XB7
Mounting diameter	22 mm
Sale per indivisible quantity	10
Product weight	0.026 kg
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	stay put
Operator profile	Black standard handle
Operator position information	2 positions 90°
Contacts type and composition	1 NO + 1 NC
Positive opening	With conforming to IEC 60947-5-1 appendix K

Complementary

CAD overall width	29 mm
CAD overall height	29 mm
CAD overall depth	68.5 mm
Terminals description ISO n°1	(13-14)NO (21-22)NC
Device mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-1
Fixing center	>= 30 x 40 mm (support panel) metal - thickness: 1...6 mm >= 30 x 40 mm (support panel) plastic - thickness: 2...6 mm
Fixing mode	Fixing nut: 2...2.4 N.m
Contact operation	Slow-break
Mechanical durability	300000 cycles
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm ² without cable end conforming to IEC 60947-1
Tightening torque	0.8...1.2 N.m conforming to IEC 60947-1
Shape of screw head	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

Short-circuit protection	4 A cartridge fuse type gG conforming to IEC 60947-5-1
[Ui] rated insulation voltage	250 V (pollution degree 3) conforming to IEC 60947-1
[Ui_{imp}] rated impulse withstand voltage	4 kV conforming to IEC 60947-1
[Ie] rated operational current	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
Electrical durability	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
Electrical reliability	$\Lambda < 10\exp(-6)$ at 17 V and 5 mA conforming to IEC 60947-5-4

Environment

Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Electrical shock protection class	Class II conforming to IEC 61140
NEMA degree of protection	NEMA 12 conforming to UL 50 E NEMA 3 conforming to UL 50 E
Standards	JIS C8201-5-1 IEC 60947-1 UL 508 CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-1
Vibration resistance	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	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

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.000 cm
Package 1 Width	3.200 cm
Package 1 Length	3.200 cm
Package 1 Weight	30.000 g
Unit Type of Package 2	BB1
Number of Units in Package 2	10
Package 2 Height	7.000 cm
Package 2 Width	3.200 cm
Package 2 Length	3.200 cm
Package 2 Weight	307.000 g
Unit Type of Package 3	S01
Number of Units in Package 3	100

Package 3 Height	15.000 cm
Package 3 Width	15.000 cm
Package 3 Length	40.000 cm
Package 3 Weight	3.384 kg

Contractual warranty

Warranty	18 months
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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**

Environmental Disclosure [Product Environmental Profile](#)

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)**

California proposition 65 **WARNING: 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 [www.P65Warnings.ca.gov](#)**

Use Again

Repack and remanufacture

End of life manual availability [End of Life Information](#)

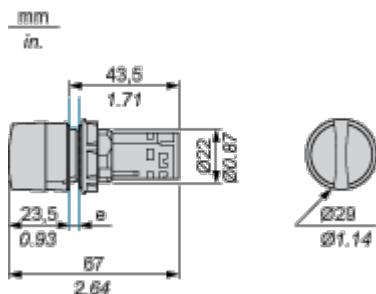
Take-back **No**

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

Dimensions Drawings

Selector Switch, Standard Handle

Dimensions

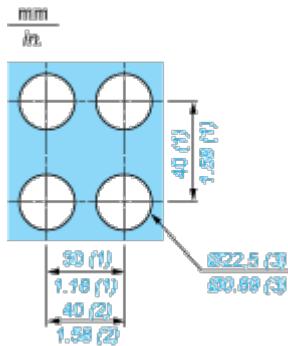


- e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting and Clearance

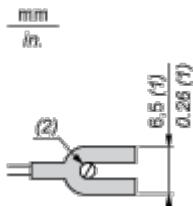
Mounting

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



(1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.

(2) M3 screw clamp terminal.

Connections and Schema

Wiring

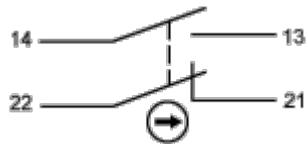


Image of product / Alternate images

Alternative





Image of product in real life situation

