

Product datasheet

Specifications



Harmony XB7, Monolithic push button, plastic, black, Ø22, spring return, unmarked, 1 NO + 1 NC

XB7NA25

EAN Code: 3606480469954

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	spring return
Operator profile	Black flush, unmarked
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
Net 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
Contact operation	Slow-break
Positive opening	With NC contact conforming to IEC 60947-5-1 appendix K
Mechanical durability	1000000 cycles
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
[Uimp] 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	$\Lambda \leq 10\exp(-6)$ at 17 V, 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
Overvoltage category	Class II conforming to IEC 61140
Enclosure Type	Type 12 Type 3
Standards	UL 508 JIS C8201-5-1 CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-1 JIS C8201-1
Product certifications	CCC GOST
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	6.000 cm
Package 1 Width	3.000 cm
Package 1 Length	3.000 cm
Package 1 Weight	23.000 g
Unit Type of Package 2	BAG
Number of Units in Package 2	10
Package 2 Height	3.000 cm
Package 2 Width	6.000 cm
Package 2 Length	3.000 cm
Package 2 Weight	234.000 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	2.605 kg

Logistical informations

Country of origin	ID
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Contractual warranty

Warranty	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

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)

SCIP Number A04d4774-6224-4743-8a81-6c194ff09180

REACH Regulation [REACH Declaration](#)

Use Again

Repack and remanufacture

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

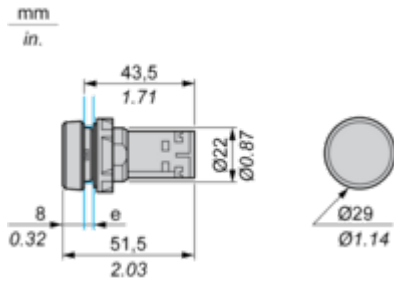
Take-back No

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

Dimensions Drawings

Pushbutton, Flush Type

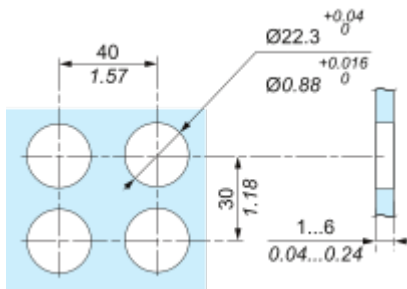
Dimensions



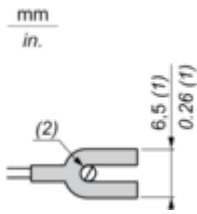
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting and Clearance

Panel cut-out



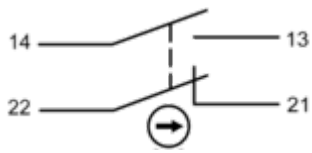
“U” Type Tag Connection



- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
(2) M3 screw clamp terminal.

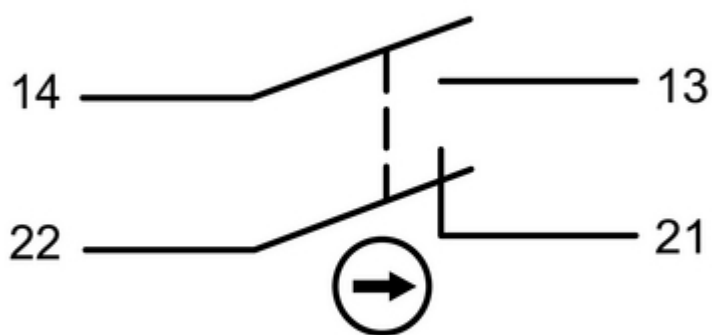
Connections and Schema

Wiring



Technical Illustration

Wiring diagram

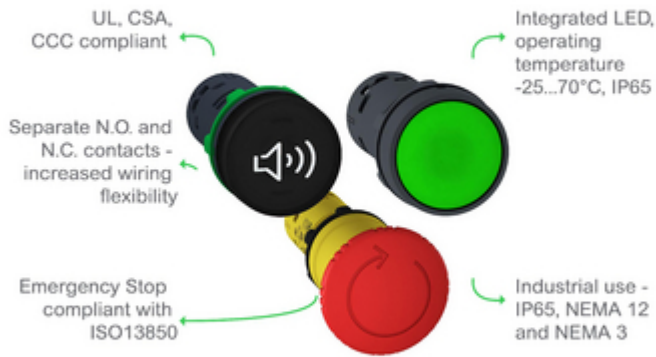


Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony All-in-one monolithic offers



Offer Marketing Illustration

Product benefits / Features

The graphic features a central image of two circuit breakers: a black one at the top and a red one at the bottom. The red one has a white speaker icon on its face. Surrounding this central image are four circular icons, each with a corresponding text block. The top-left icon is a checkmark, the top-right is a lightbulb, the bottom-left is a screwdriver, and the bottom-right is a hand with a finger protected by a shield.

Features

Harmony All-in-one monolithic offers

- Good resistance to chemical agents with double electrical insulation
- Monolithic design - easy to select
- Quick to install by eliminating the need for components
- Safety compliant: Finger protected

Image of product / Alternate images

Alternative





