

Product data sheet

Specifications



Emergency stop push button,
Harmony XB7, 22mm, red
mushroom 40mm, trigger key
release, 1NO + 1NC

XB7NS9445

Main

Range of product	Harmony XB7
Product or component type	Emergency stop push-button
Device short name	XB7
Mounting diameter	22 mm
Sale per indivisible quantity	10
Shape of signaling unit head	Round
Type of operator	latching
Reset	Key release
Operator profile	Red mushroom Ø 40 mm, unmarked
Type of keylock	Key 455
Contacts type and composition	1 NO + 1 NC
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to IEC 60947-1
Device presentation	Monolithic product

Complementary

CAD overall width	40 mm
CAD overall height	40 mm
CAD overall depth	72 mm
Terminals description ISO n°1	(21-22)NC (13-14)NO
Product weight	0.035 kg
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 beneath head: 2...2.4 N.m
Contact operation	Snap action
Contacts usage	Standard
Positive opening	With conforming to IEC 60947-5-1 appendix K
Mechanical durability	100000 cycles
Tightening torque	0.8...1.2 N.m conforming to IEC 60947-1

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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 0.75 A at 240 V, AC-15, C300 conforming to IEC 60947-5-1 1.5 A at 120 V, AC-15, C300 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	$\Lambda < 5 \times 10\exp(-7)$ 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 60536
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529
Enclosure Type	UL type 3/12
Standards	IEC 60947-5-5 IEC 60364-5-53 ISO 13850 IEC 60947-1 IEC 60947-5-1 CSA C22.2 No 14 UL 508 IEC 60204-1
Product certifications	CCC GOST
Vibration resistance	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	15 gn (duration = 11 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	15.0 cm
Package 1 Width	16.0 cm
Package 1 Length	8.0 cm
Package 1 Weight	75.0 g
Unit Type of Package 2	BAG
Number of Units in Package 2	10
Package 2 Height	16.0 cm

Package 2 Width	15.0 cm
Package 2 Length	8.0 cm
Package 2 Weight	758.0 g
Unit Type of Package 3	S01
Number of Units in Package 3	50
Package 3 Height	15 cm
Package 3 Width	15 cm
Package 3 Length	40 cm
Package 3 Weight	4.151 kg

Contractual warranty

Warranty (in months)	18
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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 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.6 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.1 kg CO2 eq.
Carbon footprint of the end-of-life phase [C1 to C4]	0.2 kg CO2 eq.
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	Compliant
REACH Regulation	Free of Substances of Very High Concern above the threshold
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 Longer



Lifetime extension

Repair	No
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Use Again

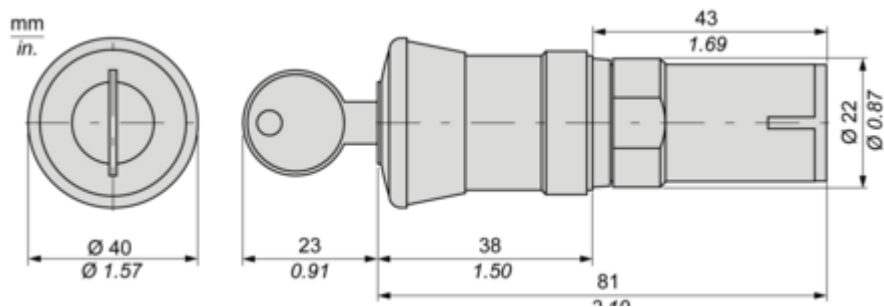


Repack and remanufacture

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

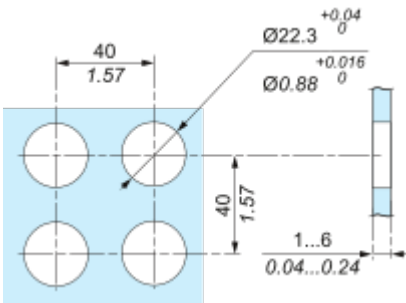
Dimensions Drawings

Non-illuminated Pushbutton

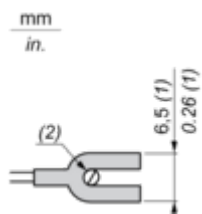


Mounting and Clearance

Panel cut-out



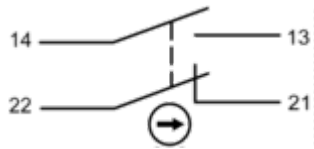
“U” Type Tag Connection



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

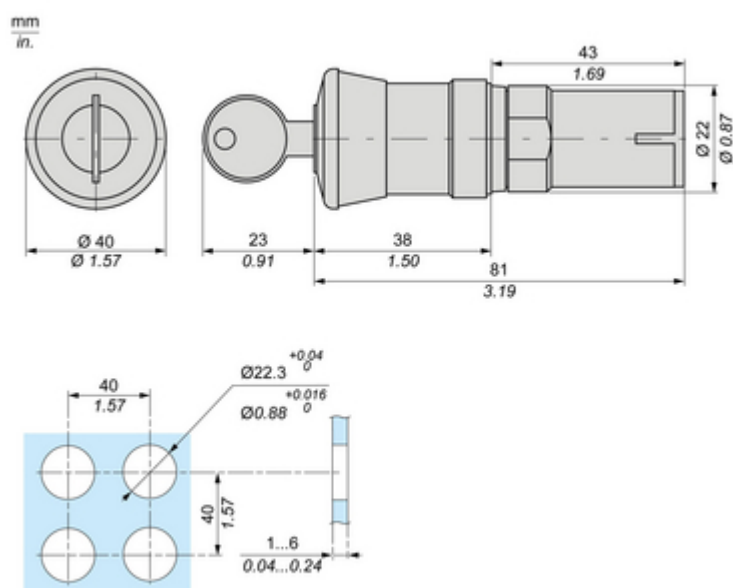
Connections and Schema

Wiring



Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

