Product datasheet

Specification





Monolithic push button, plastic,red, Ø22, spring return, unmarked, 1 NC

XB7NA42

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	Red flush, unmarked	
Contacts type and composition	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 0.342 x 2.5 mm² 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	(11-12)NC	
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	>= 30 x 40 mm (support panel) metal - thickness: 16 mm >= 30 x 40 mm (support panel) plastic - thickness: 26 mm	
Fixing mode	Fixing nut beneath head: 22.4 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	0.81.2 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	

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

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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	
[le] 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	∧ <= 10exp(-6) at 17 V. 5 mA conforming to IEC 60947-5-4	

Environment

protective treatment	тн	
Ambient air temperature for storage	-4070 °C	
Ambient air temperature for operation	-2570 °C	
Overvoltage category	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	UL 508 CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-1 JIS C8201-5-1 JIS C8201-1	
product certifications	ct certifications GOST CCC	
Vibration resistance	tion resistance 5 gn (f= 2500 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	3.3 cm
Package 1 Width	3.3 cm
Package 1 Length	5.1 cm
Package 1 Weight	19.0 g
Unit Type of Package 2	BAG
Number of Units in Package 2	10
Package 2 Height	7.0 cm
Package 2 Width	9.5 cm
Package 2 Length	15.0 cm
Package 2 Weight	198.0 g
Unit Type of Package 3	S01

Number of Units in Package 3	100
Package 3 Height	15.0 cm
Package 3 Width	15.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	2.308 kg

Contractual warranty

Warranty 18 months

Sustainability Green Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

Well-being performance

	Toxic Heavy Metal Free	
②	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

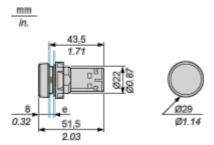
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
Circularity Profile	End of Life Information

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Dimensions Drawings

Pushbutton, Flush Type

Dimensions



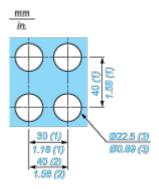
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

XB7NA42

Mounting and Clearance

Mounting

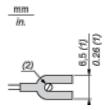
Diameter of Finished Fixing Holes



- (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.

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"U" Type Tag Connection



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

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Connections and Schema

Wiring

