Product datasheet

Specifications





Push button, Harmony XB5N XB7N, plastic, mushroom, green, 60mm, spring return, unmarked, 1 NO

XB5AR31N

Main

Range Of Product	Harmony XB5N/XB7N
Product Or Component Type	Push-button
Device Short Name	XB5N
Product Compatibility	ZB5N
Bezel Material	Dark grey plastic
Head Type	Standard
Fixing Collar Material	Plastic
Mounting Diamete	22.5 mm
Sale Per Indivisible Quantity	20
Shape Of Signaling Unit Head	Round
Type Of Operator	spring return
Operator Profile	Green mushroom Ø 60 mm, unmarked
Contacts Type And Composition	1 NO
Contact Operation	Slow-break
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm ² without cable end conforming to IEC 60947-1
[Us] Rated Supply Voltage	24 V AC/DC at 50/60 Hz

Complementary

Height	60 mm
Width	60 mm
Depth	82 mm
Terminals Description Iso N°1	(13-14)NO
Net Weight	0.072 kg
Device Mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60957-5-1
Fixing Mode	Fixing nut recommended torque: 2.2 N.m (+/- 0.2 N.m)
Contacts Usage	Standard contacts
Positive Opening	Without
Operating Travel	1.5 mm (NC changing electrical state)2.6 mm (NO changing electrical state)4.3 mm (total travel)
Operating Force	3.5 N NC changing electrical state 3.8 N NO changing electrical state

Mechanical Durability	5000000 cycles	
Tightening Torque	0.81.2 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 Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver	
Contacts Material	Silver alloy (Ag/Ni)	
Short-Circuit Protection	10 A cartridge fuse type gG conforming to IEC 60947-5-1	
[Ith] Conventional Free Air Thermal Current	10 A conforming to IEC 60947-5-1	
[Ui] Rated Insulation Voltage	600 V (pollution degree 3) conforming to IEC 60947-1	
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to IEC 60947-1	
[Ie] Rated Operational Current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 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 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1	
Electrical Durability	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 AC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1: appendix C	
Electrical Reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4	
Device Presentation	Complete product	
Customizable	No	
Customizable	0	
Compatibility Code	XB5	

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 60536	
Ip Degree Of Protection	IP66 conforming to IEC 60529	
Ik Degree Of Protection	IK03 conforming to IEC 50102	
Standards	IEC 60947-5-4 IEC 60947-1 IEC 60947-5-1 IS 13947-5-1	
Product Certifications	CE	
Vibration Resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6	
Shock Resistance	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	
Electromagnetic Emission	Class B conforming to IEC 55011	

Ip Degree Of Protection	IP54		
Ik Degree Of Protection	IK03		
Packing Units			
Unit Tuno Of Bookago 1	DOE		

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	60 cm
Package 1 Width	60 cm
Package 1 Length	66 cm
Package 1 Weight	60 g

Sustainability Screen

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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance



Rohs Exemption Information

Certifications & Standards

Reach Regulation	REACh Declaration	
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)	
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	