Product datasheet

Specifications





Monolithic selector switch, plastic, black, Ø22, stay put, 2 positions, stay put, 1 NO

XB7ND21

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	
Net 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	
Positive Opening	Without	

Complementary

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Cad Overall Width	29 mm	
Cad Overall Height	29 mm	
Cad Overall Depth	68.5 mm	
Terminals Description Iso N°1	(13-14)NO	
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: 22.4 N.m	
Contact Operation	Slow-break	
Mechanical Durability	300000 cycles	
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	
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 Slotted compatible with flat Ø 5.5 mm screwdriver	

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

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 and 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	
Electrical Shock Protection Class	Class II conforming to IEC 61140	
ema Degree Of Protection NEMA 12 conforming to UL 50 E NEMA 3 conforming to UL 50 E		
Standards	CSA C22.2 No 14 UL 508 IEC 60947-5-1 JIS C8201-5-1 IEC 60947-1 JIS C8201-1	
Vibration 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

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Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	7.0 cm
Package 1 Width	3.2 cm
Package 1 Length	3.2 cm
Package 1 Weight	28.0 g
Unit Type Of Package 2	BAG
Number Of Units In Package 2	10
Package 2 Height	3.0 cm
Package 2 Width	7.0 cm
Package 2 Length	3.0 cm
Package 2 Weight	288.0 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	3.08 kg	

Contractual warranty

Warranty 18 months



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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

⊘	Reach Free Of Svhc	
⊘	Toxic Heavy Metal Free	
⊘	Mercury Free	
⊘	Rohs Exemption Information	Yes

Certifications & Standards

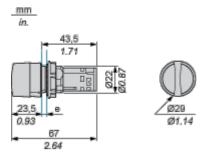
Reach Regulation	REACh Declaration
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
China Rohs Regulation	China RoHS declaration
Environmental Disclosure	Product Environmental Profile
Weee	The product must be disposed on European Union markets following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

XB7ND21

Dimensions Drawings

Selector Switch, Standard Handle

Dimensions



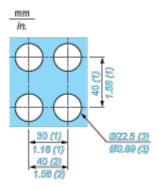
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

XB7ND21

Mounting and Clearance

Mounting

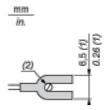
Diameter of Finished Fixing Holes



- (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 Diagram

