Product data sheet

Specifications





Push button, Harmony XB7, green flush pushbutton Ø22 mm, spring return, 1 NO, screw clamp terminals unmarked

XB7EA31P



! Discontinued on: Nov 1, 2020

Main

Range Of Product	Harmony XB7	
Product Or Component Type	Push-button	
Device Short Name	XB7	
Mounting Diamete	22 mm	
Sale Per Indivisible Quantity	10	
Ip Degree Of Protection	IP20 (rear face) conforming to IEC 60529 IP54 (front face) conforming to IEC 60529	
Shape Of Signaling Unit Head	Round	
Type Of Operator	spring return	
Operator Profile	Green flush, unmarked	
Contacts Type And Composition	1 NO	
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end conforming to EN/IEC 60947-1	
Device Presentation	Monolithic product	

Complementary

Cad Overall Width	29 mm	
Cad Overall Height	29 mm	
Cad Overall Depth	52 mm	
Terminals Description Iso N°1	(13-14)NO	
Net Weight	0.02 kg	
Device Mounting	Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to EN/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	Without	
Mechanical Durability	1000000 cycles	
Tightening Torque	0.81.2 N.m conforming to EN 60947-1	

List Price displayed is VAT EXCLUSIVE.



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 EN/IEC 60947-5-1	
[Ui] Rated Insulation Voltage	250 V (pollution degree 3) conforming to EN/IEC 60947-1	
[Uimp] Rated Impulse Withstand Voltage	4 kV conforming to EN/IEC 60947-1	
[le] Rated Operational Current	0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1	
	0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1	
	0.3 A at 240 V, AC-14, D300 conforming to EN/IEC 60947-5-1	
	0.6 A at 120 V, AC-14, D300 conforming to EN/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 EN/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 EN/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 EN/IEC 60947-5-1 appendix C	
Electrical Reliability	Λ <= 10exp(-6) at 17 V, 5 mA conforming to EN/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 60536	
Nema Degree Of Protection	NEMA 12	
Standards	EN/IEC 60947-1 CSA C22.2 No 14 JIS C8201-5-1 UL 508 EN/IEC 60947-5-1 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	

Contractual warranty

Warranty	40	
warranty	18 months	



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Transparency RoHS/REACh

Well-being performance



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)
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