XB7NH31

Monolithic push button, plastic, green, Ø22, push and push to release, unmarked, 1 NO





Main

Mani	
Range of product	Harmony XB7
Product or component type	Push-button
Device short name	XB7
Mounting diameter	0.87 in (22 mm)
Sale per indivisible quantity	10
IP degree of protection	IP20 (rear face) conforming to IEC 60529 IP65 IEC 60529 front face)
Shape of signaling unit head	Round
Type of operator	Push and push-to-release
Operator profile	Green flush
Contacts type and composition	1 NO
Connections - terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end 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

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CAD overall width	1.14 in (29 mm)
CAD overall height	1.14 in (29 mm)
CAD overall depth	2.03 in (51.5 mm)
Terminals description ISO n°1	(21-22)NC (13-14)NO
Net Weight	0.05 lb(US) (0.021 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
Marking	Unmarked
Contact operation	Slow-break
Positive opening	With NC contact conforming to EN/IEC 60947-5-1 appendix K
Mechanical durability	300000 cycles
Tightening torque	7.0810.62 lbf.in (0.81.2 N.m) EN 60947-1
Shape of screw head	Cross compatible with JIS No 1 screwdriver Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm
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 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
Protective treatment Ambient air temperature for storage Anbient air temperature for storage Anbient air temperature for storage Anbient air temperature for storage Class II conforming to IEC 61140 NEMA degree of protection NEMA 12 conforming to UL 50 E NEMA 2 conforming to UL 50 E NEMA 2 conforming to UL 50 E NEMA 3 conforming to UL 50 E NEMA 2 conforming to U	Electrical reliability	Λ <= 10exp(-6) at 17 V, 5 mA conforming to EN/IEC 60947-5-4
Ambient air temperature for storage Ambient air temperature for operation Ambient air temperature for operation 1-13158 "F (-4570 "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 NEMA 5 conforming to UL 50	Environment	
Ambient air temperature for operation -13158 °F (-2570 °C) Overvoitage category Class II conforming to IEC 61140 NEMA 12 conforming to UL, 50 E NEMA 3 conforming to UL, 50 E NEME 68947-5-1 CSA C22.2 No 14 JIS C8201-1 Product certifications CCC COST Wibration resistance 5 gn (fe 2500 Hz) conforming to IEC 60068-2-6 Shock resistance 5 gn (fe 2500 Hz) conforming to IEC 60068-2-6 Shock resistance 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-7 30 gn (duration = 18 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 30 gn (duration = 18 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 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-19 Category 22464 - PUSHBUTTONS, XB7-22MM Discount Schedule CS2 GTIN 00765901493914 Nbr. of units in pkg. 10 Package weight(Lbs) 0.04 lb(US) (0.02 kg) Returnability Yes Country of origin ID Package 1 Height 0.500 dm Package 1 Height 0.300 dm Package 1 Length 0.400 dm Package 1 Length 0.500 dm Package 1 Length 0.500 dm Package 1 Length 0.700 dm Package 1 Length 0.700 dm Package 1 Height	Protective treatment	TH
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Toxic heavy metal free Yes Mercury free Yes	REACh Regulation	REACh Declaration
Mercury free Yes	EU RoHS Directive	
•	Toxic heavy metal free	Yes
RoHS exemption information	Mercury free	Yes
IVI Voc	Wichouty free	

End Of Life Information

Product Environmental Profile

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

WEEE

China RoHS Regulation

Environmental Disclosure

Circularity Profile

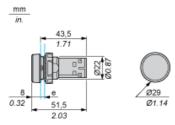
Warranty 18 months

Product data sheet Dimensions Drawings

XB7NH31

Pushbutton, Flush Type

Dimensions



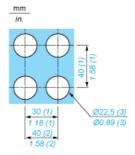
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Product data sheet Mounting and Clearance

XB7NH31

Mounting

Diameter of Finished Fixing Holes



- Minimum value.
- 40 mm/1.58 in. for Emergency switching off pushbutton only. Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

"U" Type Tag Connection



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

Wiring

