Product datasheet

Specification





Push button, Harmony XB5N XB7N, plastic, mushroom, yellow, 40mm, spring return, unmarked, 1 NO

XB5AC51N

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 diameter | 22.5 mm |
| Sale per indivisible quantity | 20 |
| Shape of signaling unit head | Round |
| Type of operator | spring return |
| Operator profile | Yellow mushroom Ø 40 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 | 42 mm |
|-------------------------------|---|
| Width | 40 mm |
| Depth | 82 mm |
| Terminals description ISO n°1 | (13-14)NO |
| Net weight | 0.062 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 |

| 5000000 cycles |
|--|
| 0.81.2 N.m conforming to IEC 60947-1 |
| 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 |
| Silver alloy (Ag/Ni) |
| 10 A cartridge fuse type gG conforming to IEC 60947-5-1 |
| 10 A conforming to IEC 60947-5-1 |
| 600 V (pollution degree 3) conforming to IEC 60947-1 |
| 6 kV conforming to IEC 60947-1 |
| 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 |
| 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 |
| 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 |
| Complete product |
| No |
| 0 |
| 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 |
| 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 | IP65 |
| IK degree of protection | IK03 |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|---------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 8.6 cm |
| Package 1 Width | 3.3 cm |
| Package 1 Length | 5.2 cm |
| Package 1 Weight | 157.0 g |
| Unit Type of Package 2 | S03 |
| Number of Units in Package 2 | 240 |
| Package 2 Height | 30 cm |
| Package 2 Width | 30 cm |
| Package 2 Length | 40 cm |



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Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

| 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 |

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