Product datasheet

Specification





Illuminated pushbutton, Harmony XB5N XB7N, plastic, flush, amber, 22mm, spring return, 230V AC, 1 NO

XB5AW38M1N

Main

| Range Of Product | Harmony XB5N/XB7N | |
|---------------------------------|---|--|
| Product Or Component Type | Illuminated push-button | |
| Device Short Name | XB5N | |
| Bezel Material | Dark grey plastic | |
| 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 | Amber flush, unmarked | |
| Operator Additional Information | With plain lens | |
| Contacts Type And Composition | 1 NO | |
| Contact Operation | Slow-break | |
| Connections - Terminals | Screw clamp terminal, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1 Screw clamp terminal, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1 | |
| Light Source | LED | |
| Bulb Base | Integral LED | |
| Light Block Supply | Direct | |
| [Us] Rated Supply Voltage | 220240 V AC 50/60 Hz | |
| Cap/Operator Or Lens Colour | Amber | |

Complementary

| Height | 42 mm | |
|-------------------------------|---|--|
| Width | 30 mm | |
| Depth | 57 mm | |
| Terminals Description Iso N°1 | (13-14)NO | |
| Net Weight | 0.056 kg | |
| Device Mounting | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-5-1 | |
| Fixing Mode | Fixing nut recommended torque: 2.2 N.m (+/- 0.2 N.m) | |
| Marking | Unmarked | |
| Contacts Usage | Standard contacts | |

| 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 |
| [le] Rated Operational Current | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 |
| (o) tales operations can only | 6 A at 120 V, AC-15, A600 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 |
| | 0.55 A at 125 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 |
| | 1.27 at 000 v, 70 10, 7000 contonning to 120 00047 0 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, DC-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, 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4 |
| Signalling Type | Steady |
| Supply Voltage Limits | 195264 V AC |
| Current Consumption | 14 mA |
| Service Life | 100000 h at rated voltage and 25 °C |
| Surge Withstand | 1 kV conforming to IEC 61000-4-5 |
| Device Presentation | Complete product |
| | |

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 | |
| Resistance To Fast Transients | 2 kV conforming to IEC 61000-4-4 | |
| Resistance To Electromagnetic Fields | 10 V/m conforming to IEC 61000-4-3 | |
| Resistance To Electrostatic Discharge | 6 kV on contact (on metal parts) conforming to IEC 61000-4-2 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2 | |
| Electromagnetic Emission | Class B conforming to IEC 55011 | |
| Ip Degree Of Protection | IP54 | |
| Ik Degree Of Protection | IK03 | |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|---------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 4.2 cm |
| Package 1 Width | 3.3 cm |
| Package 1 Length | 5.2 cm |
| Package 1 Weight | 122.0 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 |



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.

Learn more about Green Premium >

Guide to assess a product's sustainability >



RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

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

28-May-2024