Product datasheet

Specifications





III selector switch, Harmony XB5N XB7N, plastic, yellow, 22mm, short handle, 3 position, stay put, 230V AC, 2 NO

XB5AK135M3N

Main

| Range of product | Harmony XB5N/XB7N |
|-------------------------------|---|
| Product or component type | Illuminated selector switch |
| Device short name | XB5N |
| Bezel material | Dark grey plastic |
| Fixing collar material | Plastic |
| Head type | Standard |
| Mounting diameter | 22.5 mm |
| Sale per indivisible quantity | 20 |
| Shape of signaling unit head | Round |
| Type of operator | 3 stay put |
| Operator profile | Yellow standard handle (white) |
| Operator position information | 3 positions +/- 45° |
| Contacts type and composition | 2 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 | 220240 V AC 50/60 Hz |

Complementary

| Height | 42 mm |
|-------------------------------|---|
| Width | 30 mm |
| Depth | 70 mm |
| Terminals description ISO n°1 | (13-14)NO (23-24)NO |
| Net weight | 0.058 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) |
| Contacts usage | Standard contacts |
| Positive opening | Without |
| Torque value | 0.14 N.m NO changing electrical state |
| Mechanical durability | 1000000 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 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 |
| 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, 0.2 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 |
| 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 |
| Light source colour | Yellow |
| Overvoltage category | Class II conforming to IEC 60536 |
| Product compatibility | ZB5N |
| Light block supply | Direct |

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 60536 |
| IK degree of protection | IK04 conforming to IEC 50102 |
| Standards | IEC 60947-5-4 IEC 60947-1 IEC 60947-5-1 IS 13947-5-1 |
| Product certifications | CE |
| Vibration resistance | 5 gn (f=2, 500 Hz) conforming to IEC 60068-2-6 |

Vibration resistance

5 gn (f= 2...500 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 | IP65 |

Packing Units

| - | |
|------------------------------|--------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.0 cm |
| Package 1 Width | 4.2 cm |
| Package 1 Length | 7.0 cm |
| Package 1 Weight | 68.0 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 |

Sustainability Screen

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.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information

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 |