

Product data sheet

Specifications



Complete illuminated push button,
Harmony XB6, green square flush,
16mm, latching, 1NO, 12...24V

XB6CF3B1B

Main

| | |
|-------------------------------|--|
| Range of product | Harmony XB6 |
| Product or component type | Complete illuminated push-button |
| Device short name | XB6 |
| Bezel material | Plastic |
| Mounting diameter | 16 mm |
| Sale per indivisible quantity | 1 |
| Shape of signaling unit head | Square |
| Type of operator | latching |
| Operator profile | Green flush, unmarked |
| Contacts type and composition | 1 NO |
| Contact operation | Slow-break |
| Connections - terminals | Faston connectors, connection size: 2.8 x 0.5 mm |
| Light source | LED |
| Bulb base | Integral LED |
| [Us] rated supply voltage | 12...24 V AC/DC |

Complementary

| | |
|--|--|
| Height | 18 mm |
| Width | 18 mm |
| Depth | 57 mm |
| Terminals description ISO n°1 | (13-14)NO |
| Product weight | 0.022 kg |
| Operating position | Any position |
| Positive opening | With conforming to EN/IEC 60947-5-1 appendix K |
| Operating travel | 1 mm (NO changing electrical state) 3.5 mm (total travel) |
| Operating force | 3.5 N NO changing electrical state |
| Contacts material | Silver alloy (Ag/Ni) |
| Short-circuit protection | 6 A cartridge fuse type gG |
| [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 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

| | |
|---------------------------------------|---|
| [Ie] rated operational current | 3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1 1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1 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 |
| Electrical durability | 1000000 cycles, AC-15 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |
| Electrical reliability | $\Lambda = 10\exp(-8)$ at 5 V and 1 mA with confidence level of 90 % conforming to IEC 60947-5-4 |
| Signalling type | Steady |
| Supply voltage limits | 6...30 V AC/DC |
| Current consumption | 15 mA |
| Surge withstand | 1 kV direct contact conforming to IEC 61000-4-5 2 kV in free air conforming to IEC 61000-4-5 |

Environment

| | |
|--|--|
| Protective treatment | TC |
| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -25...70 °C |
| Electrical shock protection class | Class II conforming to IEC 61140 |
| IP degree of protection | IP65 conforming to IEC 60529 |
| NEMA degree of protection | NEMA 13 conforming to UL 50 NEMA 4 conforming to UL 50 NEMA 4X conforming to UL 50 NEMA 13 conforming to CSA C22.2 No 94 NEMA 4 conforming to CSA C22.2 No 94 NEMA 4X conforming to CSA C22.2 No 94 |
| Standards | JIS C 852 EN/IEC 60947-1 CSA C22.2 No 14 UL 508 EN/IEC 60947-5-5 EN/IEC 60947-5-1 JIS C 4520 |
| Product certifications | CSA GOST UL CCC |
| Vibration resistance | +/- 3 mm (f= 2...500 Hz) conforming to IEC 60068-2-6 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 |

Packing Units

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|-------------------------------------|-----|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |

| | |
|------------------------------|----------|
| Package 1 Height | 3.1 cm |
| Package 1 Width | 4.5 cm |
| Package 1 Length | 13.2 cm |
| Package 1 Weight | 16.0 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 60 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 15.0 cm |
| Package 2 Length | 40.0 cm |
| Package 2 Weight | 1.125 kg |

Contractual warranty


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|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.



[Environmental Data explained >](#)

[How we assess product sustainability >](#)

Use Better

|  Materials and Substances | |
|--|---|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| SCIP Number | 902182a2-9610-45f2-840e-6da530122efe |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

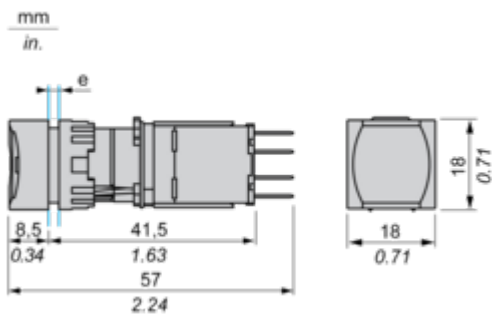
Use Again

|  Repack and remanufacture | |
|--|---|
| Take-back | No |
| WEEE Label |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

Square Head Pushbutton

Dimensions

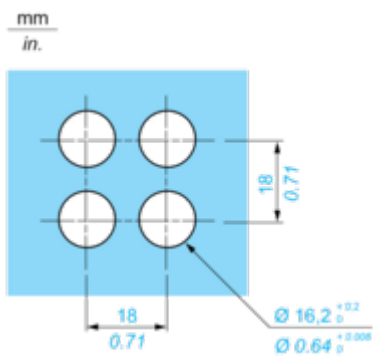


e panel thickness 1 to 6 mm/0.03 to 0.23 in.

Mounting and Clearance

Panel Cut-out

For Square or Circular Head



Technical Illustration

Dimensions

