

Product datasheet

Specifications



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

XB6CF1B5B

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 | White flush, unmarked |
| Contacts type and composition | 1 NO + 1 NC |
| 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

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| Height | 18 mm |
| Width | 18 mm |
| Depth | 57 mm |
| Terminals description ISO n°1 | (13-14)NO (21-22)NC |
| Net weight | 0.025 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) 2 mm (NC changing electrical state) 3.5 mm (total travel) |
| Operating force | 3.5 N NO changing electrical state 4.5 N NC 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 |

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

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|---|---|
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-1 |
| [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

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| 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 | EN/IEC 60947-5-5 EN/IEC 60947-5-1 JIS C 4520 UL 508 CSA C22.2 No 14 EN/IEC 60947-1 JIS C 852 |
| Product certifications | GOST CCC CSA UL |
| 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 |
|-------------------------------|-----|

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|------------------------------|----------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.0 cm |
| Package 1 Width | 11.0 cm |
| Package 1 Length | 16.0 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 | 1.246 kg |

Contractual warranty

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| Warranty | 18 months |
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Sustainability

Green Premium™ label is Schneider Electric’s commitment to delivering products with best-in-class 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 >](#)

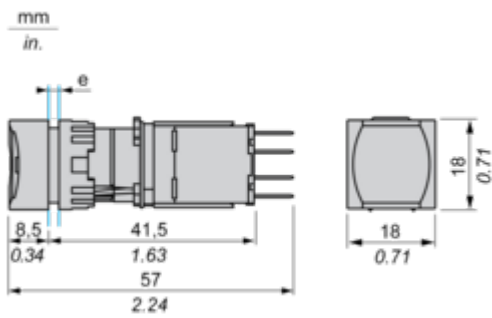
Well-being performance

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|  Mercury Free | |
|  Rohs Exemption Information | Yes |
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| China Rohs Regulation | China RoHS declaration |
| Weee | 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

