



Main

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| Range of product | Harmony XB7 |
| Product or component type | Push-button |
| Device short name | XB7 |
| Mounting diameter | 22 mm |
| Sale per indivisible quantity | 10 |
| IP degree of protection | IP20 (rear face) conforming to IEC 60529 IP65 (front face) conforming to IEC 60529 |
| Shape of signaling unit head | Round |
| Type of operator | Spring return |
| Operator profile | Green flush, unmarked |
| Contacts type and composition | 1 NO |
| Connections - terminals | Screw clamp terminals, <= 2 x 1.5 mm ² with cable end conforming to IEC 60947-1 Screw clamp terminals, 1 x 0.34...2 x 2.5 mm ² without cable end conforming to IEC 60947-1 |
| Device presentation | Monolithic product |

Complementary

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| CAD overall width | 29 mm |
| CAD overall height | 29 mm |
| CAD overall depth | 51.5 mm |
| Terminals description ISO n°1 | (13-14)NO |
| Net weight | 0.021 kg |
| Device mounting | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-1 |
| Fixing center | >= 30 x 40 mm (support panel) metal - thickness: 1...6 mm >= 30 x 40 mm (support panel) plastic - thickness: 2...6 mm |
| Fixing mode | Fixing nut beneath head: 2...2.4 N.m |
| Contact operation | Slow-break |
| Positive opening | With (only NO) |
| Mechanical durability | 1000000 cycles |
| Tightening torque | 0.8...1.2 N.m conforming to IEC 60947-1 |
| Shape of screw head | Cross compatible with JIS No 1 screwdriver 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 |
| Short-circuit protection | 4 A cartridge fuse type gG conforming to IEC 60947-5-1 |
| [Ui] rated insulation voltage | 250 V (pollution degree 3) conforming to IEC 60947-1 |
| [Uiimp] rated impulse withstand voltage | 4 kV conforming to IEC 60947-1 |
| [Ie] rated operational current | 0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1 0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1 0.3 A at 240 V, AC-14, D300 conforming to IEC 60947-5-1 0.6 A at 120 V, AC-14, D300 conforming to IEC 60947-5-1 |

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| Electrical durability | 1000000 Cycles, DC-13, 0.3 A at 24 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 Cycles, AC-15, 0.03 A at 230 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.09 A at 240 V, operating rate <108000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical reliability | $\Lambda \leq 10^6$ at 17 V, 5 mA conforming to IEC 60947-5-4 |

Environment

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| Protective treatment | TH |
| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -25...70 °C |
| Overvoltage category | Class II conforming to IEC 61140 |
| NEMA degree of protection | NEMA 12 conforming to UL 50 E NEMA 3 conforming to UL 50 E |
| Standards | UL 508 CSA C22.2 No 14 JIS C8201-5-1 IEC 60947-5-1 IEC 60947-1 JIS C8201-1 |
| Product certifications | GOST[RETURN]CCC |
| Vibration resistance | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

Packing Units

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|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 7.0 cm |
| Package 1 Width | 9.5 cm |
| Package 1 Length | 15.0 cm |
| Package 1 Weight | 20.0 g |
| Unit Type of Package 2 | BAG |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 10.0 cm |
| Package 2 Width | 7.0 cm |
| Package 2 Length | 15.0 cm |
| Package 2 Weight | 200.0 g |
| Unit Type of Package 3 | S01 |
| Number of Units in Package 3 | 100 |
| Package 3 Height | 15.0 cm |
| Package 3 Width | 15.0 cm |
| Package 3 Length | 40.0 cm |
| Package 3 Weight | 2.225 kg |

Offer Sustainability

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| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| China RoHS Regulation |  China RoHS Declaration |
| RoHS exemption information |  Yes |
| Environmental Disclosure |  Product Environmental Profile |

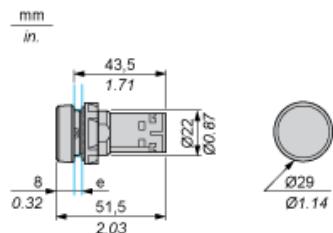
| | |
|---------------------|---|
| Circularity Profile |  End Of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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| Warranty | 18 months |
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Pushbutton, Flush Type

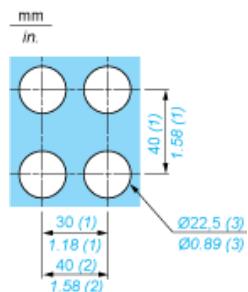
Dimensions



e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

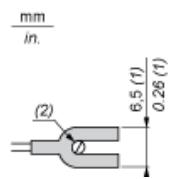
Mounting

Diameter of Finished Fixing Holes



- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

“U” Type Tag Connection



- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

Wiring Diagram

14 ————— 13

