Product data sheet

Specification





Monolithic illuminated push button, Harmony XB7, plastic, clear, 22mm, integral LED, spring return, 24V AC DC, 1NO

XB7NW37B1

Product availability: Stock - Normally stocked in distribution facility

Price*: 59.50 USD

Main

| Range of Product | Harmony XB7 |
|-------------------------------|--|
| Product or Component Type | Illuminated push-button |
| Device short name | XB7 |
| Mounting diameter | 0.9 in (22 mm) |
| Sale per indivisible quantity | 10 |
| IP degree of protection | IP20 IEC 60529 rear face) IP65 IEC 60529 front face) |
| Shape of signaling unit head | Round |
| Type of operator | spring return |
| Operator profile | Clear projecting, unmarked |
| Contacts type and composition | 1 NO |
| Connections - terminals | Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1 |
| Light source | LED |
| Bulb base | Integral LED |
| [Us] rated supply voltage | 24 V AC/DC |
| device presentation | Monolithic product |

Complementary

| CAD overall width | 1.1 in (29 mm) |
|-------------------------------|--|
| CAD overall height | 1.1 in (29 mm) |
| CAD overall depth | 2.3 in (57.5 mm) |
| Terminals description ISO n°1 | (13-14)NO |
| Net Weight | 0.051 lb(US) (0.023 kg) |
| Device mounting | Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1 |
| Fixing center | >= 30 x 40 mm support panel) metal 0.040.2 in (16 mm) >= 30 x 40 mm support panel) plastic 0.080.2 in (26 mm) |
| Fixing mode | Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m) |
| Contact operation | Slow-break |
| Positive opening | With (only NO) |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| Mechanical durability | 300000 cycles |
|--|--|
| Tightening torque | 7.0810.6 lbf.in (0.81.2 N.m) IEC 60947-1 |
| Shape of screw head | Cross JIS No 1 Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm |
| Short-circuit protection | 4 A cartridge fuse gG IEC 60947-5-1 |
| [Ui] rated insulation voltage | 250 V 3)IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 4 kV IEC 60947-1 |
| [le] rated operational current | 0.1 A 250 V, DC-13, R300 IEC 60947-5-1 0.22 A 125 V, DC-13, R300 IEC 60947-5-1 0.3 A 240 V, AC-14, D300 IEC 60947-5-1 0.6 A 120 V, AC-14, D300 IEC 60947-5-1 |
| Electrical durability | 1000000 cycles, DC-13, 0.3 A 24 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.03 A 230 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 0.09 A 240 V 108000 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Electrical reliability | Λ <= 10exp(-6) 17 V 5 mA IEC 60947-5-4 |
| Signalling type | Steady |
| Supply voltage limits | 19.230 V DC 21.626.4 V AC |
| Current Consumption | 1827 mA |
| Service life | 70000 h at rated voltage and 25 °C |

Environment

| protective treatment | тн | |
|---------------------------------------|--|--|
| Ambient Air Temperature for Storage | -40158 °F (-4070 °C) | |
| Ambient Air Temperature for Operation | -13158 °F (-2570 °C) | |
| Electrical shock protection class | Class II IEC 61140 | |
| NEMA degree of protection | NEMA 12 UL 50 E | |
| Standards | IEC 60947-5-1 IEC 60947-1 CSA C22.2 No 14 UL 508 JIS C8201-5-1 JIS C8201-1 | |
| Product Certifications | GOST CCC | |
| Vibration resistance | 5 gn 2500 Hz)IEC 60068-2-6 | |
| Shock resistance | 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 30 gn 18 ms) half sine wave acceleration | |
| Electromagnetic emission | Class B IEC 55011 | |

Ordering and shipping details

| Category | US10CS222464 |
|-------------------|---------------|
| Discount Schedule | 0CS2 |
| GTIN | 3606480470943 |
| Returnability | Yes |
| Country of origin | ID |

Packing Units

| Unit Type of Package 1 | PCE |
|------------------------------|-----------------|
| Number of Units in Package 1 | 1 |
| Package 1 Height | 2.4 in (6 cm) |
| Package 1 Width | 1.3 in (3.2 cm) |
| Package 1 Length | 1.3 in (3.2 cm) |
| Package 1 Weight | 0.8 oz (24 g) |

Contractual warranty

Warranty 18 months

Sustainability Green Premium

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 >





Transparency RoHS/REACh

Well-being performance



Mercury Free



Rohs Exemption Information

Yes

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|--|
| 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. |
| Weee Circularity Profile | |

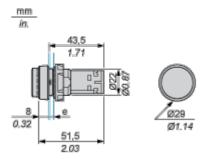
Product data sheet

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Dimensions Drawings

Illuminated Pushbutton

Dimensions



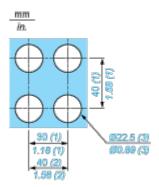
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

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Mounting and Clearance

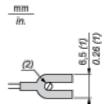
Mounting

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.

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Connections and Schema

Wiring

