

Product data sheet

Specifications



Push button, Harmony XB7, round green flush, 22mm, push to release, 1NO + 1NC, unmarked

XB7NH35

Main

| | |
|-------------------------------|---|
| 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 | push and push-to-release |
| Operator Profile | Green flush |
| Contacts Type And Composition | 1 NO + 1 NC |
| 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

| | |
|-------------------------------|--|
| Cad Overall Width | 29 mm |
| Cad Overall Height | 29 mm |
| Cad Overall Depth | 51.5 mm |
| Terminals Description Iso N°1 | (13-14)NO (21-22)NC |
| 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 |
| Marking | Unmarked |
| Contact Operation | Slow-break |
| Positive Opening | With NC contact conforming to IEC 60947-5-1 appendix K |
| Mechanical Durability | 300000 cycles |
| Tightening Torque | 0.8...1.2 N.m conforming to 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

| | |
|--|--|
| 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 |
| [Uimp] 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 |
| 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 | $\Lambda \leq 10\exp(-6)$ 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 | JIS C8201-5-1 UL 508 IEC 60947-5-1 IEC 60947-1 CSA C22.2 No 14 JIS C8201-1 |
| Product Certifications | GOST 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

| | |
|------------------------------|--------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 5.3 cm |
| Package 1 Width | 3.0 cm |
| Package 1 Length | 3.0 cm |
| Package 1 Weight | 23.0 g |

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 >](#)



Transparency RoHS/REACH

Well-being performance

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

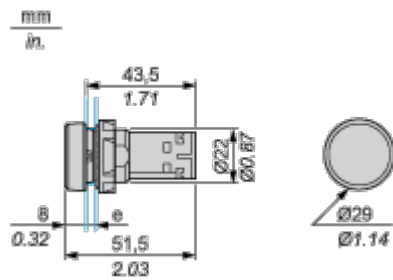
Certifications & Standards

| | |
|---------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| 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 |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |

Dimensions Drawings

Pushbutton, Flush Type

Dimensions

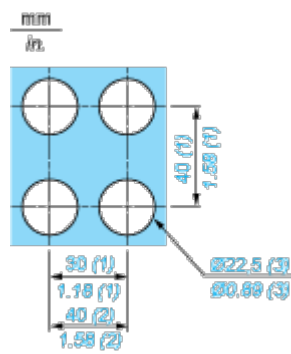


- e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

Mounting and Clearance

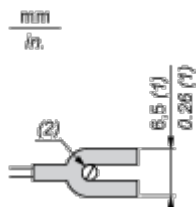
Mounting

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.

Connections and Schema

Wiring

