



**Main**

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB7  |
| Product or component type     | Push-button  |
| Device short name             | XB7  |
| Mounting diameter             | 0.87 in (22 mm)  |
| Sale per indivisible quantity | 10   |
| IP degree of protection       | IP20 (rear face) conforming to IEC 60529<br>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: $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals: $1 \times 0.34 \dots 2 \times 2.5 \text{ mm}^2$ without cable end conforming to EN/IEC 60947-1 |
| Device presentation           | Monolithic product   |

**Complementary**

|  |   |
|--|---|
| CAD overall width                      | 1.14 in (29 mm)   |
| CAD overall height                     | 1.14 in (29 mm)   |
| CAD overall depth                      | 2.03 in (51.5 mm)   |
| Terminals description ISO n°1          | (13-14)NO   |
| Product weight                         | 0.05 lb(US) (0.021 kg)  |
| Device mounting                        | Fixing hole: $\varnothing 0.89$ in (22.5 mm) (22.3 +0.4/0) conforming to EN/IEC 60947-1   |
| Fixing center                          | $\geq 30 \times 40$ mm on support panel, metal, thickness: 0.04...0.24 in (1...6 mm)<br>$\geq 30 \times 40$ mm on support panel, plastic, thickness: 0.08...0.24 in (2...6 mm)  |
| Fixing mode                            | Fixing nut beneath head recommended torque: 2...2.4 N.m   |
| Contact operation                      | Slow-break  |
| Positive opening                       | With (only NO) positive opening   |
| Mechanical durability                  | 1000000 cycles  |
| Tightening torque                      | 7.08...10.62 lbf.in (0.8...1.2 N.m) conforming to EN 60947-1  |
| Shape of screw head                    | Cross head compatible with JIS No 1 screwdriver<br>Cross head compatible with Philips no 1 screwdriver<br>Cross head compatible with pozidriv No 1 screwdriver<br>Slotted head compatible with flat $\varnothing 4$ mm screwdriver<br>Slotted head compatible with flat $\varnothing 5.5$ mm screwdriver  |
| Short-circuit protection               | 4 A cartridge fuse type gG conforming to EN/IEC 60947-5-1   |
| [Ui] rated insulation voltage          | 250 V (degree of pollution: 3) conforming to EN/IEC 60947-1   |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-1   |
| [Ie] rated operational current         | 0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1<br>0.3 A at 240 V, AC-14, D300 conforming to EN/IEC 60947-5-1<br>0.6 A at 120 V, AC-14, D300 conforming to EN/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 EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.03 A at 230 V, operating rate: 216000 cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.09 A at 240 V, operating rate: 108000 cyc/mn, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |
| Electrical reliability                 | $\Lambda \leq 10 \exp(-6)$ at 17 V, 5 mA conforming to EN/IEC 60947-5-4   |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |  |
|---------------------------------------|--|
| protective treatment                  | TH   |
| ambient air temperature for storage   | -40...158 °F (-40...70 °C)   |
| ambient air temperature for operation | -13...158 °F (-25...70 °C)   |
| overvoltage category                  | Class II conforming to IEC 61140   |
| NEMA degree of protection             | NEMA 12 conforming to UL 50 E<br>NEMA 3 conforming to UL 50 E  |
| standards                             | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14  |
| product certifications                | CCC<br>GOST  |
| vibration resistance                  | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6  |
| shock resistance                      | 30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 |

## Offer Sustainability

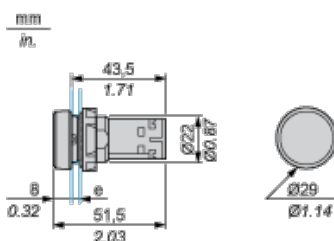
|  |  |
|--|--|
| Green Premium product  | Green Premium product  |
| Compliant - since 1145 - Schneider Electric declaration of conformity  | Compliant - since 1145 - Schneider Electric declaration of conformity  |
| Reference not containing SVHC above the threshold  | Reference not containing SVHC above the threshold  |
| Available  | Available  |
| Available  | Available  |
| WARNING: This product can expose you to chemicals including:   | WARNING: This product can expose you to chemicals including:   |
| Nickel compounds, which is known to the State of California to cause cancer, and   | Nickel compounds, which is known to the State of California to cause cancer, and   |
| Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. | 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 <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

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

## Pushbutton, Flush Type

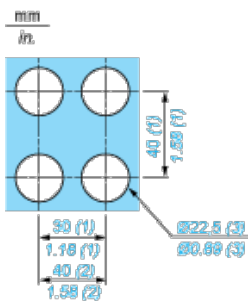
### Dimensions



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).

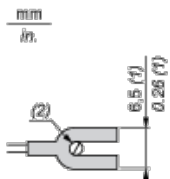
## Mounting

### Diameter of Finished Fixing Holes



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



# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[Schneider Electric:](#)

[XB7NA31](#)