



## Main

|                               |   |
|-------------------------------|---|
| Range of product              | Harmony XB7   |
| Product or component type     | Emergency switching off monolithic push-button  |
| Device short name             | XB7   |
| Mounting diameter             | 22 Mm   |
| Sale per indivisible quantity | 10  |
| Shape of signaling unit head  | Round   |
| Type of operator              | Mechanical latching   |
| Reset                         | Turn to release   |
| Operator profile              | Red mushroom Ø 40 mm, unmarked  |
| Contacts type and composition | 1 NC  |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming-<br>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-<br>to EN/IEC 60947-1 |
| Device presentation           | Monolithic product  |

## Complementary

|                               |   |
|-------------------------------|---|
| CAD overall width             | 40 Mm   |
| CAD overall height            | 40 Mm   |
| CAD overall depth             | 72 Mm   |
| Terminals description ISO n°1 | (11-12)NC   |
| Net weight                    | 0.032 Kg  |
| Device mounting               | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to EN/IEC 60947-1  |
| Fixing center                 | $\geq 30 \times 40 \text{ mm}$ (support panel) metal - thickness: 1...6 mm<br>$\geq 30 \times 40 \text{ mm}$ (support panel) plastic - thickness: 2...6 mm  |
| Fixing mode                   | Fixing nut beneath head: 2...2.4 N.m  |
| Contact operation             | Slow-break  |
| Contacts usage                | Standard  |
| Positive opening              | With conforming to EN/IEC 60947-5-1 appendix K  |
| Mechanical durability         | 10000 Cycles  |
| Tightening torque             | 0.8...1.2 N.M conforming to EN 60947-1  |
| Shape of screw head           | Cross compatible with JIS No 1 screwdriver<br>Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 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 (pollution degree 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                 | $\Lambda < 10\exp(-6)$ at 17 V and 5 mA conforming to IEC 60947-5-4   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Protective treatment                  | TH  |
| 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 60536  |
| IP degree of protection               | IP20 (rear face) conforming to IEC 60529<br>IP54 (front face) conforming to IEC 60529 |
| NEMA degree of protection             | NEMA 12 conforming to UL 50   |
| Standards                             | EN/IEC 60947-5-1<br>UL 508<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>IEC 60364-5-53     |
| Product certifications                | CCC   |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6                                      |
| Shock resistance                      | 10 gn (duration = 11 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 Weight             | 38 G  |
| Package 1 Height             | 4 Cm  |
| Package 1 width              | 15 Cm |
| Package 1 Length             | 20 Cm |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                              |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End Of Life Information</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

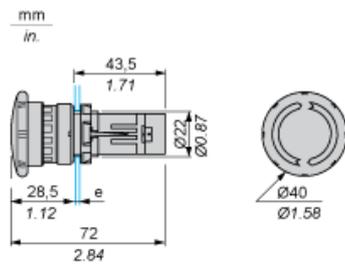
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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Emergency Switching off Pushbutton

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Dimensions



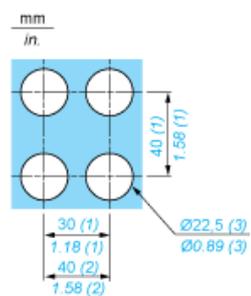
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

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## Mounting

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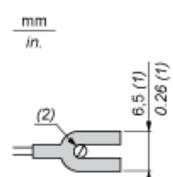
### Diameter of Finished Fixing Holes



- (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

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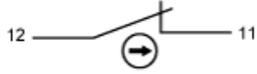


- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

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Wiring

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|                       |                |
|-----------------------|----------------|
| Product Life Status : | Commercialised |
|-----------------------|----------------|