

# XB7NA45

Monolithic push button, Harmony XB7, plastic, red, 22mm, spring return, unmarked, 1NO +1NC



## 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 IEC 60529 rear face)<br>IP65 IEC 60529 front face)  |
| Shape of signaling unit head  | Round  |
| Type of operator              | Spring return  |
| Operator profile              | Red flush, unmarked  |
| Contacts type and composition | 1 NO + 1 NC  |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end IEC 60947-1<br>Screw clamp terminals, $1 \times 0.34 \dots 2 \times 2.5 \text{ mm}^2$ without cable end 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<br>(21-22)NC  |
| Net Weight                             | 0.05 lb(US) (0.021 kg)  |
| Device mounting                        | Fixing hole 0.89 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1   |
| Fixing center                          | $\geq 30 \times 40 \text{ mm}$ support panel) metal 0.04...0.24 in (1...6 mm)<br>$\geq 30 \times 40 \text{ mm}$ support panel) plastic 0.08...0.24 in (2...6 mm)      |
| Fixing mode                            | Fixing nut beneath head 17.70...21.24 lbf.in (2...2.4 N.m)  |
| Contact operation                      | Slow-break  |
| Positive opening                       | With NC contact IEC 60947-5-1 appendix K  |
| Mechanical durability                  | 1000000 cycles  |
| Tightening torque                      | 7.08...10.62 lbf.in (0.8...1.2 N.m) IEC 60947-1   |
| Shape of screw head                    | Cross JIS No 1<br>Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat $\varnothing 4 \text{ mm}$<br>Slotted flat $\varnothing 5.5 \text{ mm}$                   |
| 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  |
| [Ie] rated operational current         | 0.1 A 250 V, DC-13, R300 IEC 60947-5-1<br>0.22 A 125 V, DC-13, R300 IEC 60947-5-1<br>0.3 A 240 V, AC-14, D300 IEC 60947-5-1<br>0.6 A 120 V, AC-14, D300 IEC 60947-5-1 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance 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.

|                        |  |
|------------------------|--|
| Electrical durability  | 1000000 Cycles, DC-13, 0.3 A 24 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 0.03 A 230 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.09 A 240 V 108000 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Electrical reliability | $\Lambda \leq 10\exp(-6)$ 17 V, 5 mA IEC 60947-5-4   |

## 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 IEC 61140   |
| NEMA degree of protection             | NEMA 12 UL 50 E<br>NEMA 3 UL 50 E  |
| Standards                             | CSA C22.2 No 14<br>UL 508<br>IEC 60947-5-1<br>JIS C8201-5-1<br>IEC 60947-1<br>JIS C8201-1                          |
| Product Certifications                | CCC[RETURN]GOST  |
| Vibration resistance                  | 5 gn 2...500 Hz)IEC 60068-2-6  |
| Shock resistance                      | 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27<br>30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 |

## Ordering and shipping details

|                   |                             |
|-------------------|-----------------------------|
| Category          | 22464-PUSHBUTTONS, XB7-22MM |
| Discount Schedule | CS2                         |
| GTIN              | 3606480470172               |
| Returnability     | No                          |
| Country of origin | ID                          |

## Packing Units

|                              |                  |
|------------------------------|------------------|
| Unit Type of Package 1       | PCE              |
| Number of Units in Package 1 | 1                |
| Package 1 Height             | 1.97 in (5.0 cm) |
| Package 1 Width              | 1.18 in (3.0 cm) |
| Package 1 Length             | 1.18 in (3.0 cm) |
| Package 1 Weight             | 0.81 oz (23.0 g) |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| 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   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| RoHS exemption information | <a href="#">Yes</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

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

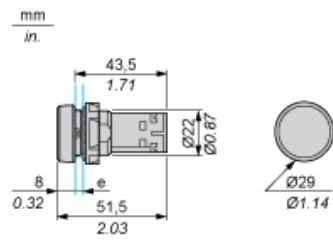
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Pushbutton, Flush Type

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Dimensions



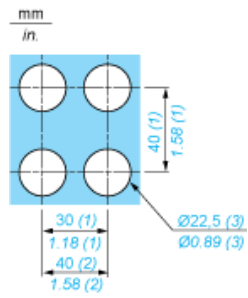
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

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## Mounting

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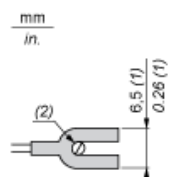
### Diameter of Finished Fixing Holes



- (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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