

# XB7NW33G1

Monolithic illuminated push button, Harmony XB7, plastic, green, 22mm, integral LED, spring return, 110...120V AC, 1NO



## Main

|                               |                                                                                                                                                                                              |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of Product              | Harmony XB7                                                                                                                                                                                  |
| Product or Component Type     | Illuminated 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              | Green projecting, unmarked                                                                                                                                                                   |
| Contacts type and composition | 1 NO                                                                                                                                                                                         |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN/IEC 60947-1<br>Screw clamp terminals, $1 \times 0.34...2 \times 2.5 \text{ mm}^2$ without cable end EN/IEC 60947-1 |
| Light source                  | LED                                                                                                                                                                                          |
| Bulb base                     | Integral LED                                                                                                                                                                                 |
| [Us] rated supply voltage     | 120 V AC 50/60 Hz                                                                                                                                                                            |
| Device presentation           | Monolithic product                                                                                                                                                                           |

## Complementary

|                                        |                                                                                                                                                                  |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                      | 1.14 in (29 mm)                                                                                                                                                  |
| CAD overall height                     | 1.14 in (29 mm)                                                                                                                                                  |
| CAD overall depth                      | 2.26 in (57.5 mm)                                                                                                                                                |
| Terminals description ISO n°1          | (13-14)NO                                                                                                                                                        |
| Net Weight                             | 0.05 lb(US) (0.023 kg)                                                                                                                                           |
| Device mounting                        | Fixing hole 0.89 in (22.5 mm) 22.3 +0.4/0 EN/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 (only NO)                                                                                                                                                   |
| Mechanical durability                  | 300000 cycles                                                                                                                                                    |
| Tightening torque                      | 7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1                                                                                                                   |
| Shape of screw head                    | Cross JIS No 1<br>Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm                                                      |
| Short-circuit protection               | 4 A cartridge fuse gG EN/IEC 60947-5-1                                                                                                                           |
| [Ui] rated insulation voltage          | 250 V 3)EN/IEC 60947-1                                                                                                                                           |
| [Uimp] rated impulse withstand voltage | 4 kV EN/IEC 60947-1                                                                                                                                              |

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|                                             |                                                                                                                                                                                                                                                           |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [I <sub>e</sub> ] rated operational current | 0.1 A 250 V, DC-13, R300 EN/IEC 60947-5-1<br>0.22 A 125 V, DC-13, R300 EN/IEC 60947-5-1<br>0.3 A 240 V, AC-14, D300 EN/IEC 60947-5-1<br>0.6 A 120 V, AC-14, D300 EN/IEC 60947-5-1                                                                         |
| Electrical durability                       | 1000000 Cycles, DC-13, 0.3 A 24 V 216000 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 0.03 A 230 V 216000 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.09 A 240 V 108000 cyc/mn 0.5 EN/IEC 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda \leq 10 \exp(-6)$ 17 V 5 mA EN/IEC 60947-5-4                                                                                                                                                                                                     |
| Signalling type                             | Steady                                                                                                                                                                                                                                                    |
| Supply voltage limits                       | 100...132 V AC                                                                                                                                                                                                                                            |
| Current Consumption                         | 12...17 mA                                                                                                                                                                                                                                                |
| Service life                                | 70000 h at rated voltage and 25 °C                                                                                                                                                                                                                        |

## 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)                                                                          |
| Electrical shock protection class     | Class II IEC 61140                                                                                  |
| NEMA degree of protection             | NEMA 12 UL 50 E                                                                                     |
| Standards                             | CSA C22.2 No 14<br>UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>JIS C8201-1     |
| Product Certifications                | GOST<br>CCC                                                                                         |
| 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 |
| Electromagnetic emission              | Class B EN 55011                                                                                    |

## Ordering and shipping details

|                   |                             |
|-------------------|-----------------------------|
| Category          | 22464-PUSHBUTTONS, XB7-22MM |
| Discount Schedule | CS2                         |
| GTIN              | 3606480470752               |
| Returnability     | No                          |
| Country of origin | ID                          |

## Packing Units

|                              |                  |
|------------------------------|------------------|
| Unit Type of Package 1       | PCE              |
| Number of Units in Package 1 | 1                |
| Package 1 Height             | 2.36 in (6 cm)   |
| Package 1 Width              | 1.26 in (3.2 cm) |
| Package 1 Length             | 1.26 in (3.2 cm) |
| Package 1 Weight             | 0.88 oz (25 g)   |

## Offer Sustainability

|                           |                                                                                                                                                                                                                                                                                             |
|---------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status  | Green Premium product                                                                                                                                                                                                                                                                       |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and 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>                                                                                                        |
| Mercury free              | Yes                                                                                                                                                                                                                                                                                         |

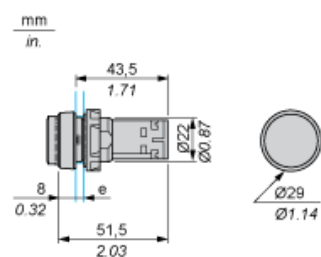
|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 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

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

## Illuminated Pushbutton

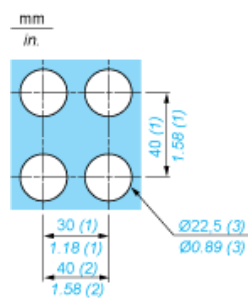
### Dimensions



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).

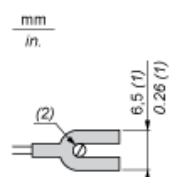
## Mounting

### 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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## Wiring

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