



## 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 projecting, O white)                                                                                                                                                      |
| Contacts type and composition | 1 NO + 1 NC                                                                                                                                                                   |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end EN/IEC 60947-1<br>Screw clamp terminals, 1 x 0.34...2 x 2.5 mm <sup>2</sup> without cable end 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                      | 2.26 in (57.5 mm)                                                                                                                                                                 |
| Terminals description ISO n°1          | (21-22)NC<br>(13-14)NO                                                                                                                                                            |
| Net Weight                             | 0.05 lb(US) (0.021 kg)                                                                                                                                                            |
| Device mounting                        | Fixing hole 0.89 in (22.5 mm) 22.3 +0.4/0 EN/IEC 60947-1                                                                                                                          |
| Fixing center                          | >= 30 x 40 mm support panel) metal 0.04...0.24 in (1...6 mm)<br>>= 30 x 40 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 EN/IEC 60947-5-1 appendix K                                                                                                                                       |
| Mechanical durability                  | 1000000 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                                                                                                                                                               |
| [Ie] 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                                                                                                                                                                                                    |

## 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                             | UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>EN/IEC 60947-1<br>JIS C8201-1                    |
| Product Certifications                | CCC<br>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                  | 3606480470707               |
| Nbr. of units in pkg. | 1                           |
| Package weight(Lbs)   | 0.85 oz (24.0 g)            |
| Returnability         | No                          |
| Country of origin     | ID                          |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| 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)       |
| Unit Type of Package 2       | BAG                    |
| Number of Units in Package 2 | 10                     |
| Package 2 Weight             | 8.47 oz (240.0 g)      |
| Package 2 Height             | 4.33 in (11 cm)        |
| Package 2 width              | 2.76 in (7 cm)         |
| Package 2 Length             | 5.91 in (15 cm)        |
| Unit Type of Package 3       | S01                    |
| Number of Units in Package 3 | 100                    |
| Package 3 Weight             | 6.03 lb(US) (2.735 kg) |
| Package 3 Height             | 5.91 in (15 cm)        |
| Package 3 width              | 5.91 in (15 cm)        |
| Package 3 Length             | 15.75 in (40 cm)       |

## 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                                                                                                                                                                                                                                                                                   |
| 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

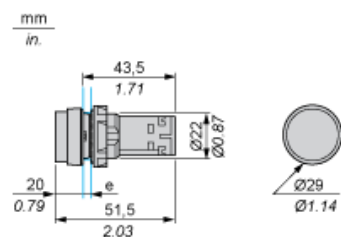
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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Pushbutton, Projecting Type

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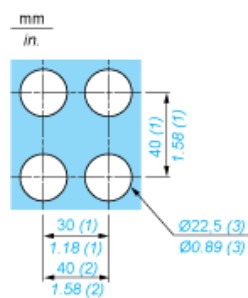
Dimensions



- 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).

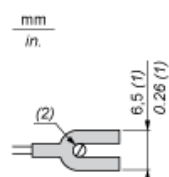
## Mounting

### 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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