# Product data sheet
## Characteristics

# XB7NA42
Monolithic push button, Harmony XB7, plastic,red, 22mm, spring return, unmarked, 1NC



## Main

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|---|---|
| Range of product | Harmony XB7 |
| Product or component type | Push-button |
| Device short name | XB7 |
| Mounting diameter | 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 | Red flush, unmarked |
| Contacts type and composition | 1 NC |
| Connections - terminals | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to IEC 60947-1 |
| Device presentation | Monolithic product |

## Complementary

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|---|---|
| CAD overall width | 29 Mm |
| CAD overall height | 29 Mm |
| CAD overall depth | 51.5 Mm |
| Terminals description ISO n°1 | (11-12)NC |
| Net weight | 0.021 Kg |
| Device mounting | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-1 |
| Fixing center | >= 30 x 40 mm (support panel) metal - thickness: 1…6 mm<br>>= 30 x 40 mm (support panel) plastic - thickness: 2…6 mm |
| Fixing mode | Fixing nut beneath head: 2…2.4 N.m |
| Contact operation | Slow-break |
| Positive opening | With NC contact conforming to IEC 60947-5-1 appendix K |
| Mechanical durability | 1000000 Cycles |
| Tightening torque | 0.8…1.2 N.M conforming to IEC 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 IEC 60947-5-1 |
| [Ui] rated insulation voltage | 250 V (pollution degree 3) conforming to IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 4 KV conforming to IEC 60947-1 |

| | |
|---|---|
| [Ie] rated operational current | 0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.3 A at 240 V, AC-14, D300 conforming to IEC 60947-5-1<br>0.6 A at 120 V, AC-14, D300 conforming to 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<br>1000000 Cycles, AC-15, 0.03 A at 230 V, operating rate <216000 cyc/mn, load factor: 0.5 conform<br>1000000 Cycles, AC-15, 0.09 A at 240 V, operating rate <108000 cyc/mn, load factor: 0.5 conform |
| Electrical reliability | Λ <= 10exp(-6) at 17 V, 5 mA conforming to IEC 60947-5-4 |

## Environment

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|---|---|
| Protective treatment | TH |
| Ambient air temperature for storage | -40…70 °C |
| Ambient air temperature for operation | -25…70 °C |
| Overvoltage category | Class II conforming to IEC 61140 |
| NEMA degree of protection | UL type 3/12 |
| Standards | UL 508<br>CSA C22.2 No 14<br>IEC 60947-1<br>IEC 60947-5-1<br>JIS C8201-5-1<br>JIS C8201-1 |
| Product certifications | GOST[RETURN]CCC |
| Vibration resistance | 5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6 |
| Shock resistance | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

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|---|---|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.000 Cm |
| Package 1 Width | 3.000 Cm |
| Package 1 Length | 5.500 Cm |
| Package 1 Weight | 19.000 G |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 10 |
| Package 2 Height | 7.000 Cm |
| Package 2 Width | 9.000 Cm |
| Package 2 Length | 15.000 Cm |
| Package 2 Weight | 197.000 G |
| Unit Type of Package 3 | S01 |
| Number of Units in Package 3 | 100 |
| Package 3 Height | 15 Cm |
| Package 3 Width | 15 Cm |
| Package 3 Length | 40 Cm |
| Package 3 Weight | 2.276 Kg |

## Offer Sustainability

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|---|---|
| Recyclability potential, in % | 11 |
| Total lifecycle Carbon footprint | 0.2 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.145361567 |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.1 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0.0024845844 |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0.0001012663 |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0.0012445915 |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 0 kg CO2 eq. |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |

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|---|---|
| Sustainable packaging | No |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.0502398624 |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |
| Total lifecycle Carbon footprint | 1 |
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| SCIP Number | A04d4774-6224-4743-8a81-6c194ff09180 |
| REACh Regulation | Reference contains Substances of Very High Concern above the threshold |
| EU RoHS Directive | Compliant |
| California proposition 65 | WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), |
| End of life manual availability | End Of Life Information |
| Take-back | No |
| WEEE Label | The product must be disposed on European Union markets following specific waste collection a |

## Contractual warranty

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|---|---|
| Warranty (in months) | 18 |

Product Life Status : Commercialised