



## Main

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| Range of product              | Harmony XB7                                                                                                                                                                                                                  |
| Product or component type     | Illuminated 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>IP54 (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, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming 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 to EN/IEC 60947-1 |
| Light source                  | LED                                                                                                                                                                                                                          |
| Bulb base                     | Integral LED                                                                                                                                                                                                                 |
| [Us] rated supply voltage     | 230 V AC at 50/60 Hz                                                                                                                                                                                                         |
| Device presentation           | Monolithic product                                                                                                                                                                                                           |

## Complementary

|                                        |                                                                                                                                                                                                                                                         |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                      | 29 mm                                                                                                                                                                                                                                                   |
| CAD overall height                     | 29 mm                                                                                                                                                                                                                                                   |
| CAD overall depth                      | 57 mm                                                                                                                                                                                                                                                   |
| Terminals description ISO n°1          | (11-12)NC                                                                                                                                                                                                                                               |
| Net weight                             | 0.022 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                                                                                                                                                                                                                                              |
| Positive opening                       | With conforming to EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                          |
| Mechanical durability                  | 300000 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   |

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| 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 | $\Lambda \leq 10\exp(-6)$ at 17 V and 5 mA conforming to EN/IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                 |
| Signalling type        | Steady                                                                                                                                                                                                                                                                                                                                                                                                    |
| Supply voltage limits  | 195...264 V AC                                                                                                                                                                                                                                                                                                                                                                                            |
| Current consumption    | 16...20 mA                                                                                                                                                                                                                                                                                                                                                                                                |
| Service life           | 80000 h at rated voltage and 25 °C                                                                                                                                                                                                                                                                                                                                                                        |

## 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 61140                                                                |
| NEMA degree of protection             | NEMA 12                                                                                         |
| Standards                             | UL 508<br>JIS C8201-5-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>JIS C8201-1 |
| 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           |
| Electromagnetic emission              | Class B conforming to EN 55011                                                                  |

## Offer Sustainability

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|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                                                                                                  |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                  |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)                                                                                                                                                                                                                                                                                                             |
| 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                                                                                                                                                                                                                                            |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Nickel compounds, which is known to the State of California to cause cancer, and 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> |

## Contractual warranty

|          |           |
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| Warranty | 18 months |
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