



## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB6                                      |
| Product or component type     | Complete illuminated push-button                 |
| Device short name             | XB6  |
| Bezel material                | Plastic  |
| Mounting diameter             | 16 mm  |
| Sale per indivisible quantity | 1  |
| Shape of signaling unit head  | Square   |
| Type of operator              | Spring return                                    |
| Operator profile              | Green flush, unmarked                            |
| Contacts type and composition | 1 NO   |
| Contact operation             | Slow-break                                       |
| Connections - terminals       | Faston connectors, connection size: 2.8 x 0.5 mm |
| Light source                  | LED  |
| Bulb base                     | Integral LED                                     |
| [Us] rated supply voltage     | 12...24 V AC/DC                                  |

## Complementary

|  |   |
|--|---|
| CAD overall width                      | 18 mm   |
| CAD overall height                     | 18 mm   |
| CAD overall depth                      | 57 mm   |
| Terminals description ISO n°1          | (13-14)NO   |
| Net weight                             | 0.022 kg  |
| Operating position                     | Any position  |
| Positive opening                       | With conforming to EN/IEC 60947-5-1 appendix K  |
| Operating travel                       | 1 Mm (NO changing electrical state)<br>3.5 mm (total travel)  |
| Operating force                        | 3.5 N NO changing electrical state  |
| Contacts material                      | Silver alloy (Ag/Ni)  |
| Short-circuit protection               | 6 A cartridge fuse type gG  |
| [Ui] rated insulation voltage          | 250 V (pollution degree 3) conforming to EN/IEC 60947-1   |
| [Uimp] rated impulse withstand voltage | 4 kV EN/IEC 60947-1   |
| [Ie] rated operational current         | 3 A at 120 V, AC-15, B300 conforming to EN/IEC 60947-5-1<br>1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1<br>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 |
| Electrical durability                  | 1000000 Cycles, AC-15 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C    |
| Electrical reliability                 | $\Lambda = 10 \exp(-8)$ at 5 V and 1 mA with confidence level of 90 % conforming to IEC 60947-5-4   |
| Signalling type                        | Steady  |
| Supply voltage limits                  | 6...30 V AC/DC  |
| Current consumption                    | 15 mA   |
| Surge withstand                        | 1 KV direct contact conforming to IEC 61000-4-5<br>2 kV in free air conforming to IEC 61000-4-5   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Protective treatment                  | TC   |
| 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   |
| IP degree of protection               | IP65 conforming to IEC 60529   |
| NEMA degree of protection             | NEMA 13 conforming to UL 50<br>NEMA 4 conforming to UL 50<br>NEMA 4X conforming to UL 50<br>NEMA 13 conforming to CSA C22.2 No 94<br>NEMA 4 conforming to CSA C22.2 No 94<br>NEMA 4X conforming to CSA C22.2 No 94 |
| Standards                             | EN/IEC 60947-1<br>JIS C 4520<br>EN/IEC 60947-5-5<br>JIS C 852<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14   |
| Product certifications                | GOST<br>CCC<br>UL<br>CSA   |
| Vibration resistance                  | +/- 3 mm (f= 2...500 Hz) conforming to IEC 60068-2-6<br>5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                      | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27                                     |
| Resistance to fast transients         | 2 kV conforming to IEC 61000-4-4   |
| Resistance to electromagnetic fields  | 10 V/m conforming to IEC 61000-4-3   |
| Resistance to electrostatic discharge | 6 kV on contact (on metal parts) conforming to IEC 61000-4-2<br>8 kV in free air (in insulating parts) conforming to IEC 61000-4-2   |
| Electromagnetic emission              | Class B conforming to IEC 55011  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 16 g     |
| Package 1 Height             | 2.8 cm   |
| Package 1 width              | 3.7 cm   |
| Package 1 Length             | 13.1 cm  |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 60       |
| Package 2 Weight             | 1.111 kg |
| Package 2 Height             | 15 cm    |
| Package 2 width              | 15 cm    |
| Package 2 Length             | 40 cm    |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| 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) <a href="#">EU RoHS Declaration</a> |
| 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>  |

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

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**Contractual warranty**

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

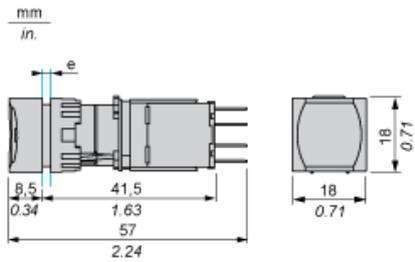
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Square Head Pushbutton

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Dimensions



e panel thickness 1 to 6 mm/0.03 to 0.23 in.

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Panel Cut-out

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For Square or Circular Head

