



## 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  | Round                            |
| Type of operator              | Spring return                    |
| Operator profile              | Blue projecting unmarked         |
| Contacts type and composition | 1 NO + 1 NC                      |
| Contacts operation            | Slow-break                       |
| Connections - terminals       | Faston connectors (2.8 x 0.5 mm) |
| Light source                  | LED                              |
| Bulb base                     | Integral LED                     |
| [Us] rated supply voltage     | 12...24 V AC/DC                  |

## Offer Sustainability

|                          |                           |
|--------------------------|---------------------------|
| Sustainable offer status | Not Green Premium product |
|--------------------------|---------------------------|

## Contractual warranty

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

## Complementary

|                               |           |
|-------------------------------|-----------|
| CAD overall width             | 18 mm     |
| CAD overall height            | 18 mm     |
| CAD overall depth             | 61 mm     |
| Terminals description ISO n°1 | (13-14)NO |

|  |   |
|--|---|
|  | (21-22)NC   |
| Product weight                         | 0.025 kg  |
| Operating position                     | Any position  |
| Positive opening                       | With positive opening conforming to EN/IEC 60947-5-1 appendix K   |
| Operating travel                       | 1 mm (NO changing electrical state)<br>2 mm (NC changing electrical state)<br>3.5 mm (total travel)   |
| Operating force                        | 4.5 N NC changing electrical state<br>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 (degree of pollution: 3) conforming to EN/IEC 60947-1   |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-1   |
| [Ie] rated operational current         | 1.5 A at 240 V, AC-15, B300 conforming to EN/IEC 60947-5-1<br>3 A at 120 V, AC-15, B300 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>0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1 |
| Electrical durability                  | 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<br>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    |
| Electrical reliability IEC 60947-5-4   | $\Lambda = 10\exp(-8)$ at 5 V, 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                        | 2 kV in free air conforming to IEC 61000-4-5<br>1 kV direct contact 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  |
| Class of protection against electric shock | Class II conforming to IEC 61140   |
| IP degree of protection                    | IP65 conforming to IEC 60529   |
| NEMA degree of protection                  | NEMA 4 conforming to UL 50<br>NEMA 13 conforming to UL 50<br>NEMA 4 conforming to CSA C22.2 No 94<br>NEMA 4X conforming to UL 50<br>NEMA 13 conforming to CSA C22.2 No 94<br>NEMA 4X conforming to CSA C22.2 No 94 |
| Standards                                  | EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-5<br>JIS C 4520<br>JIS C 852<br>CSA C22.2 No 14   |
| Product certifications                     | CCC<br>CSA<br>GOST<br>UL   |
| 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                           | 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                                     |
| 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      | 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2<br>6 kV on contact (on metal parts) conforming to IEC 61000-4-2   |
| Electromagnetic emission                   | Class B conforming to IEC 55011  |