



## 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              | latching                                         |
| Operator profile              | Green flush, unmarked                            |
| Contacts type and composition | 1 NO + 1 NC                                      |
| 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

|                                        |                                                                                                                                                                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height                                 | 18 mm                                                                                                                                                                                                                                               |
| Width                                  | 18 mm                                                                                                                                                                                                                                               |
| Depth                                  | 57 mm                                                                                                                                                                                                                                               |
| Terminals description ISO n°1          | (21-22)NC<br>(13-14)NO                                                                                                                                                                                                                              |
| Net weight                             | 0.025 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>2 Mm (NC changing electrical state)<br>3.5 mm (total travel)                                                                                                                                                 |
| Operating force                        | 3.5 N NO changing electrical state<br>4.5 N NC 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 conforming to 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 60947-5-5<br>JIS C 852<br>EN/IEC 60947-1<br>UL 508<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>JIS C 4520                                                                                                     |
| Product certifications                | CCC[RETURN]GOST[RETURN]UL[RETURN]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 Height             | 2.0 cm   |
| Package 1 Width              | 7.0 cm   |
| Package 1 Length             | 7.0 cm   |
| Package 1 Weight             | 16.0 g   |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 60       |
| Package 2 Height             | 15.0 cm  |
| Package 2 Width              | 15.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 1.246 kg |

## 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)                                                                  |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>  |
| RoHS exemption information |  <a href="#">Yes</a>                     |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

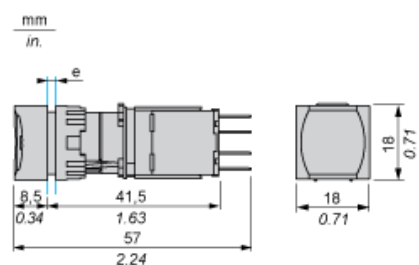
|          |           |
|----------|-----------|
| Warranty | 18 months |
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Square Head Pushbutton

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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

