

## XB6CW1B1B

white square flush complete illum pushbutton Ø16  
spring return 1NO 12...24V



### 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              | White flush unmarked             |
| Contacts type and composition | 1 NO                             |
| Contact 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                  |

### Complementary

|                                        |                                                                                                                                                                                                                                                     |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                      | 18 mm                                                                                                                                                                                                                                               |
| CAD overall height                     | 18 mm                                                                                                                                                                                                                                               |
| CAD overall depth                      | 57 mm                                                                                                                                                                                                                                               |
| Terminals description ISO n°1          | (13-14)NO                                                                                                                                                                                                                                           |
| Product weight                         | 0.022 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>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 (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         | 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, 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 |

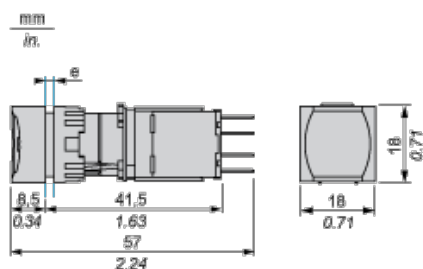
|                                       |                                                                                                                                                                                                                    |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 4 conforming to CSA C22.2 No 94<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                      | 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                                                                                                                                                                                    |

## Contractual warranty

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

## Square Head Pushbutton

### Dimensions



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

## Panel Cut-out

### For Square or Circular Head

