

# XB6AW1B1B

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



## Main

|                               |                                 |
|-------------------------------|---------------------------------|
| Range of product              | Harmony XB6                     |
| Product or component type     | Complete illuminated pushbutton |
| 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              | White flush unmarked            |
| Contacts type and composition | 1 NO                            |
| 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                 |

## 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                       | 3.5 mm (total travel)<br>1 mm (NO changing electrical state)                                                                                                                                                                                        |
| Operating force                        | 3.5 N (NO changing electrical state)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         | 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<br>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 |
| 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                                                                                                                                                     |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## 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 4X conforming to CSA C22.2 No 94<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 UL 50<br>NEMA 4 conforming to UL 50<br>NEMA 13 conforming to UL 50 |
| 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                       | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6<br>+/- 3 mm (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                                                                                                                                                                                    |