

# XB6AE4B5B

Complete illuminated push button, Harmony XB6, red projecting illum pushbutton Ø 16 spring return 1NO+1NC 12...24 V



## 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              | Red projecting, 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

|  |   |
|--|---|
| CAD overall width                      | 18 mm   |
| CAD overall height                     | 18 mm   |
| CAD overall depth                      | 61 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 | EN/IEC 60947-1 4 kV   |
| [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  |

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.

|                       |   |
|-----------------------|---|
| 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                             | CSA C22.2 No 14<br>JIS C 4520<br>EN/IEC 60947-1<br>JIS C 852<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-5   |
| Product certifications                | CCC<br>CSA<br>UL<br>GOST   |
| 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             | 17 g  |
| Package 1 Height             | 2 cm  |
| Package 1 width              | 6 cm  |
| Package 1 Length             | 11 cm |
| Unit Type of Package 2       | S01   |
| Number of Units in Package 2 | 40    |
| Package 2 Weight             | 852 g |
| 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 |  Yes  |

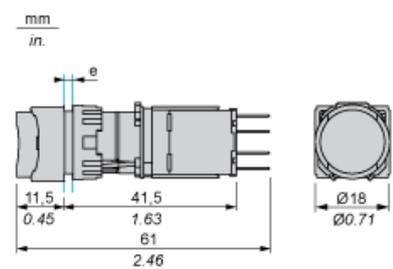
|                             |   |
|-----------------------------|---|
| China RoHS Regulation       | <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure    | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile         | <a href="#">End Of Life Information</a>   |
| WEEE                        | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| <b>Contractual warranty</b> |   |
| Warranty                    | 18 months   |

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Circular Head Pushbutton

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Dimensions



e panel thickness 1 to 6 mm/0.03 to 2.48 in.

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Panel Cut-out

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For Square or Circular Head

