

# XB6ECF4B2P

Illuminated monolithic push button, Harmony XB6E, square red flush, 16mm, latching, 24V DC, 2CO



## Main

|                               |                                                                         |
|-------------------------------|-------------------------------------------------------------------------|
| Range of product              | Harmony XB6E                                                            |
| Product or component type     | Illuminated monolithic push-button                                      |
| Device short name             | XB6E                                                                    |
| Bezel material                | Plastic                                                                 |
| Mounting diameter             | 16 mm                                                                   |
| Sale per indivisible quantity | 5                                                                       |
| Shape of signaling unit head  | Square                                                                  |
| Type of operator              | latching                                                                |
| Operator profile              | Red flush                                                               |
| Contacts type and composition | 2 C/O                                                                   |
| Contact operation             | Snap action                                                             |
| Connections - terminals       | Faston connectors, connection size: 2.8 x 0.5 mm<br>Soldered connectors |
| Contacts material             | Gold-flashed silver                                                     |
| Light source                  | Integral LED                                                            |
| [Us] rated supply voltage     | 24 V DC polarised                                                       |

## Complementary

|                                             |                                                                                                                                                                                                                                     |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Height                                      | 18 mm                                                                                                                                                                                                                               |
| Width                                       | 18 mm                                                                                                                                                                                                                               |
| Depth                                       | 40 mm                                                                                                                                                                                                                               |
| Terminals description ISO n°1               | (23-24-21-22)OF<br>(13-14-11-12)OF                                                                                                                                                                                                  |
| Net weight                                  | 0.006 kg                                                                                                                                                                                                                            |
| Overvoltage category                        | II conforming to IEC 60536                                                                                                                                                                                                          |
| Operating position                          | Any position                                                                                                                                                                                                                        |
| Marking                                     | CE                                                                                                                                                                                                                                  |
| Operating force                             | 1.3 N C/O changing electrical state                                                                                                                                                                                                 |
| Mechanical durability                       | 250000 cycles                                                                                                                                                                                                                       |
| Short-circuit protection                    | 3 A cartridge fuse type gG                                                                                                                                                                                                          |
| [Ith] conventional free air thermal current | 3 A                                                                                                                                                                                                                                 |
| [Ui] rated insulation voltage               | 250 V (pollution degree 2) conforming to IEC 60947-1                                                                                                                                                                                |
| [Uimp] rated impulse withstand voltage      | 2.5 kV conforming to IEC 60947-1                                                                                                                                                                                                    |
| Electrical durability                       | 50000 Cycles, DC-12, 1 A at 30 V conforming to IEC 60947-5-1 appendix C<br>50000 Cycles, AC-12, 0.5 A at 125 V conforming to IEC 60947-5-1 appendix C<br>50000 cycles, AC-12, 0.5 A at 250 V conforming to 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                                                                                                                                                                                                                              |
| Current consumption                         | 10 mA                                                                                                                                                                                                                               |
| Service life                                | 50000 h                                                                                                                                                                                                                             |

## Environment

|                                       |                                                                                                    |
|---------------------------------------|----------------------------------------------------------------------------------------------------|
| Ambient air temperature for storage   | -40...70 °C                                                                                        |
| Ambient air temperature for operation | -10...55 °C                                                                                        |
| IP degree of protection               | IP65 conforming to IEC 60529                                                                       |
| Standards                             | UL 508<br>JIS C 4520<br>CSA C22.2 No 14<br>JIS C 852<br>IEC 60947-5-1<br>IEC 60947-1               |
| Product certifications                | CCC[RETURN]cURus                                                                                   |
| Vibration resistance                  | 1 mm (f= 5...55 Hz) conforming to IEC 60068-2-6<br>9 gn (f= 5...55 Hz) conforming to IEC 60068-2-6 |
| Shock resistance                      | 20 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27              |
| Electromagnetic compatibility         | Electrostatic discharge immunity test - test level: 8 kV conforming to IEC 61000-4-2               |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 2.500 cm  |
| Package 1 Width              | 4.000 cm  |
| Package 1 Length             | 9.000 cm  |
| Package 1 Weight             | 12.400 g  |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 5         |
| Package 2 Height             | 3.500 cm  |
| Package 2 Width              | 9.000 cm  |
| Package 2 Length             | 18.500 cm |
| Package 2 Weight             | 62.000 g  |
| Unit Type of Package 3       | S01       |
| Number of Units in Package 3 | 50        |
| Package 3 Height             | 15.000 cm |
| Package 3 Width              | 15.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 775.000 g |

## Offer Sustainability

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                       |
| REACH Regulation           |  <a href="#">REACH Declaration</a>       |
| REACH free of SVHC         | Yes                                                                                                                         |
| 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

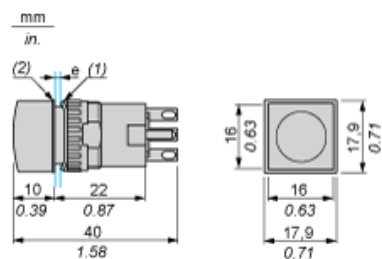
|          |           |
|----------|-----------|
| Warranty | 18 months |
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Pushbutton

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Square Head



- (1) Anti-rotation plate (thickness: 0.6 mm / 0.02 in.)  
(2) Seal (thickness: 0.5 mm / 0.01 in.)  
e panel thickness: 0.5 mm (0.01 in.) ≤ e ≤ 6 mm (0.24 in.)

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Panel Cut-Out and Mounting

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Circular or Square Head

