

# XB6CW4B2B

red square flush complete illum pushbutton  
Ø16 spring return 1NC 12...24V

Product availability: Non-Stock - Not normally stocked in distribution facility



## Main

|                               |                                  |
|-------------------------------|----------------------------------|
| Range of product              | Harmony XB6                      |
| Product or component type     | Complete illuminated push-button |
| Device short name             | XB6                              |
| Bezel material                | Plastic                          |
| Mounting diameter             | 0.63 in (16 mm)                  |
| Sale per indivisible quantity | 1                                |
| Shape of signaling unit head  | Square                           |
| Type of operator              | Spring return                    |
| Operator profile              | Red flush unmarked               |
| Contacts type and composition | 1 NC                             |
| 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                      | 0.71 in (18 mm)                                                                                                                                                                                                                                     |
| CAD overall height                     | 0.71 in (18 mm)                                                                                                                                                                                                                                     |
| CAD overall depth                      | 2.24 in (57 mm)                                                                                                                                                                                                                                     |
| Terminals description ISO n°1          | (21-22)NC                                                                                                                                                                                                                                           |
| Product weight                         | 0.05 lb(US) (0.022 kg)                                                                                                                                                                                                                              |
| Operating position                     | Any position                                                                                                                                                                                                                                        |
| Positive opening                       | With positive opening conforming to EN/IEC 60947-5-1 appendix K                                                                                                                                                                                     |
| Operating travel                       | 0.08 in (2 mm) (NC changing electrical state)<br>0.14 in (3.5 mm) (total travel)                                                                                                                                                                    |
| Operating force                        | 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 (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...158 °F (-40...70 °C)                                                                                                                                                                                         |
| Ambient air temperature for operation | -13...158 °F (-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 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<br>NEMA 13 conforming to UL 50<br>NEMA 4 conforming to UL 50<br>NEMA 4X conforming to UL 50 |
| Standards                             | EN/IEC 60947-5-1<br>JIS C 4520<br>EN/IEC 60947-5-5<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>JIS C 852                                                                                                               |
| Product certifications                | UL<br>GOST<br>CSA<br>CCC                                                                                                                                                                                           |
| 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) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) 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  | 9.14 V/yd (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                                                                                                                                                                                    |

## Ordering and shipping details

|                       |                           |
|-----------------------|---------------------------|
| Category              | 22459 - PUSHBUTTONS, 16MM |
| Discount Schedule     | CS2                       |
| GTIN                  | 00785901357285            |
| Nbr. of units in pkg. | 1                         |
| Package weight(Lbs)   | 0.20000000000000001       |
| Returnability         | N                         |
| Country of origin     | MX                        |

## Offer Sustainability

|                           |                                                                                                                            |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------|
| California proposition 65 | WARNING: This product can expose you to chemicals including:                                                               |
| ----- Substance 1         | Nickel compounds, which is known to the State of California to cause cancer, and                                           |
| ----- Substance 2         | Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. |
| ----- More information    | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                              |

## Contractual warranty

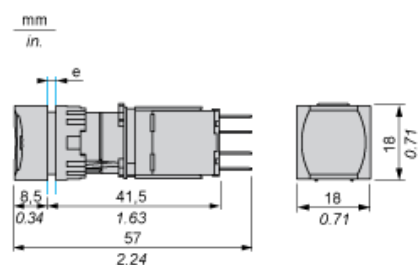
|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|

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Square Head Pushbutton

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Dimensions



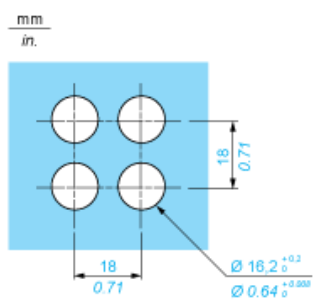
e panel thickness 1 to 6 mm/0.03 to 0.23 in.

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## Panel Cut-out

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### For Square or Circular Head



# Mouser Electronics

Authorized Distributor

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