

# Product data sheet

Specifications



Complete illuminated push button,  
Harmony XB6, red rectangular flush,  
16mm, latching 1NC 12...24V

XB6DF4B2B

Price\* : 44.40 USD

## 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  | Rectangular                      |
| Type of operator              | latching                         |
| 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

|                               |                                                                                |
|-------------------------------|--------------------------------------------------------------------------------|
| Height                        | 0.71 in (18 mm)                                                                |
| Width                         | 0.94 in (24 mm)                                                                |
| Depth                         | 2.24 in (57 mm)                                                                |
| Terminals description ISO n°1 | (21-22)NC                                                                      |
| Net Weight                    | 0.05 lb(US) (0.022 kg)                                                         |
| Operating position            | Any position                                                                   |
| Positive opening              | With 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 gG                                                          |

\* Price is “List Price” and may be subject to a trade discount – check with your local distributor or retailer for actual price.

|                                        |                                                                                                                                                                                 |
|----------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ui] rated insulation voltage          | 250 V 3)EN/IEC 60947-1                                                                                                                                                          |
| [Uimp] rated impulse withstand voltage | 4 kV EN/IEC 60947-1                                                                                                                                                             |
| [Ie] rated operational current         | 3 A 120 V, AC-15, B300 EN/IEC 60947-5-1<br>1.5 A 240 V, AC-15, B300 EN/IEC 60947-5-1<br>0.1 A 250 V, DC-13, R300 EN/IEC 60947-5-1<br>0.22 A 125 V, DC-13, R300 EN/IEC 60947-5-1 |
| Electrical durability                  | 1000000 cycles, AC-15 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C                                |
| Electrical reliability                 | $\Lambda = 10\exp(-8)$ 5 V 1 mA with confidence level of 90 % 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 IEC 61000-4-5<br>2 kV in free air 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 IEC 61140                                                                                                             |
| IP degree of protection               | IP65 IEC 60529                                                                                                                 |
| NEMA degree of protection             | NEMA 13 UL 50<br>NEMA 4 UL 50<br>NEMA 4X UL 50<br>NEMA 13 CSA C22.2 No 94<br>NEMA 4 CSA C22.2 No 94<br>NEMA 4X CSA C22.2 No 94 |
| Standards                             | EN/IEC 60947-1<br>UL 508<br>JIS C 852<br>CSA C22.2 No 14<br>EN/IEC 60947-5-5<br>EN/IEC 60947-5-1<br>JIS C 4520                 |
| Product Certifications                | UL<br>CCC<br>CSA<br>GOST                                                                                                       |
| Vibration resistance                  | +/- 3 mm 2...500 Hz)IEC 60068-2-6<br>5 gn 2...500 Hz)IEC 60068-2-6                                                             |
| Shock resistance                      | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27             |
| Resistance to fast transients         | 2 kV IEC 61000-4-4                                                                                                             |
| Resistance to electromagnetic fields  | 9.14 V/m (10 V/m) IEC 61000-4-3                                                                                                |
| Resistance to electrostatic discharge | 6 kV on contact (on metal parts) IEC 61000-4-2<br>8 kV in free air (in insulating parts) IEC 61000-4-2                         |
| Electromagnetic emission              | Class B IEC 55011                                                                                                              |

## Ordering and shipping details

|                   |                         |
|-------------------|-------------------------|
| Category          | 22459-PUSHBUTTONS, 16MM |
| Discount Schedule | CS2                     |
| GTIN              | 3389110764000           |
| Returnability     | No                      |

|                   |    |
|-------------------|----|
| Country of origin | MX |
|-------------------|----|

### Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Number of Units in Package 1 | 1                      |
| Package 1 Height             | 1.18 in (3.0 cm)       |
| Package 1 Width              | 3.94 in (10.0 cm)      |
| Package 1 Length             | 3.94 in (10.0 cm)      |
| Package 1 Weight             | 0.60 oz (17.0 g)       |
| Unit Type of Package 2       | S01                    |
| Number of Units in Package 2 | 60                     |
| Package 2 Height             | 5.91 in (15 cm)        |
| Package 2 Width              | 5.91 in (15 cm)        |
| Package 2 Length             | 15.75 in (40 cm)       |
| Package 2 Weight             | 2.74 lb(US) (1.245 kg) |

### Offer Sustainability

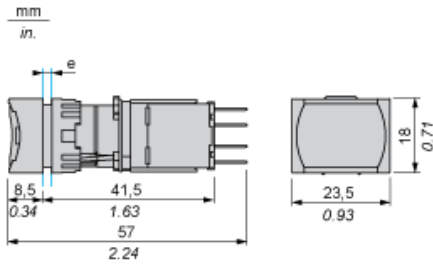
|                            |                                                                                                                                                                                                                                                                                             |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                       |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                                                                                                                                                                                           |
| Mercury free               | Yes                                                                                                                                                                                                                                                                                         |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>                                                                                                                                                                                                                                                      |
| RoHS exemption information | <a href="#">Yes</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.                                                                                                                                                                |

### Contractual warranty

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

Rectangular Head Pushbutton

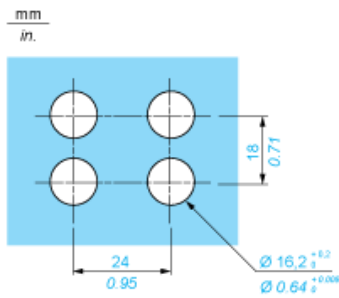
Dimensions



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

Panel Cut-out

For Rectangular Head



Recommended replacement(s)