# Product datasheet

Specifications



## round blue illuminated push-button Ø 16- flush push to release- 24 V- 1CO

XB6EAF6B1F

Discontinued on: 17 Apr 2020

Discontinued

## 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** | Round |
| **Type of operator** | latching |
| **Operator profile** | Blue flush |
| **Contacts type and composition** | 1 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 |

## Complementary

| | |
|---|---|
| **Height** | 18 mm |
| **Width** | 18 mm |
| **Depth** | 40 mm |
| **Terminals description ISO n°1** | (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 |

Disclaimer: 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

| | |
|---|---|
| **[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** | Λ = 10exp(-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** | -25…55 °C |
| **IP degree of protection** | IP40 conforming to IEC 60529 |
| **Standards** | IEC 60947-1<br>JIS C 4520<br>UL 508<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>JIS C 852 |
| **Product certifications** | CCC<br>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 |

## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

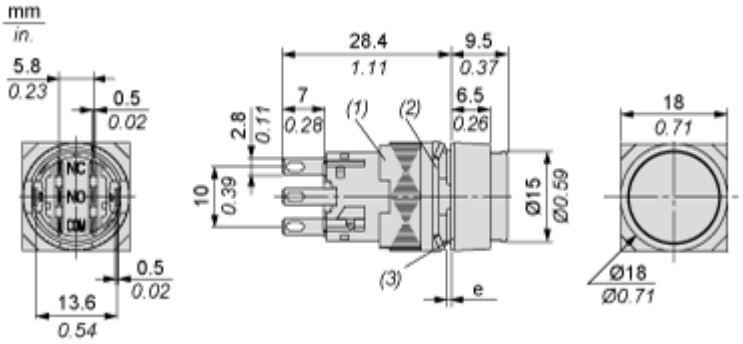
### Use Better

#### Materials and Substances

| | |
|---|---|
| EU RoHS Directive | Compliant By Exemption |

## Dimensions Drawings

### Circular Head Illuminated Pushbutton




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

(1) Nut

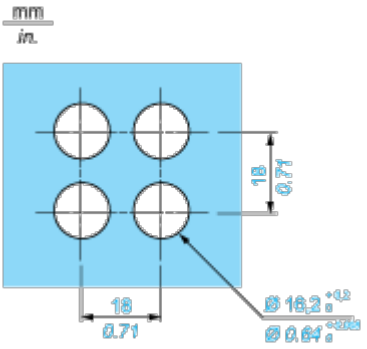
(2) Anti-rotation plate (thickness 0.6mm)

(3) Seal (thickness: 0.5 mm / 0.01 in.)

Mounting and Clearance

## Panel Cut-out

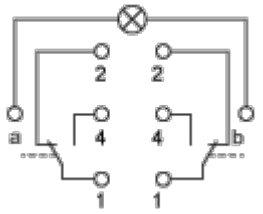
### For Square or Circular Head



## Connections and Schema

### Wiring Diagram

#### Illuminated Pushbuttons







| | |
|---|---|
| Terminals 1-2 : | NC contact terminals |
| Terminals 3-4 : | NO contact terminals |
| Terminals a-b : | Lamp terminals |