

# Product data sheet

Specifications



## round orange illuminated pushbutton Ø 16 - flush push to release-12 V-20C

XB6EAF8J2C

⚠ Discontinued on: Jan 29, 2021

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### 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              | Orange 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     | 12 V  |

### 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                                 |

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

|   |   |
|---|---|
| <b>[Ui] Rated Insulation Voltage</b>          | 250 V (pollution degree 2) conforming to IEC 60947-1  |
| <b>[Uimp] Rated Impulse Withstand Voltage</b> | 2.5 kV conforming to IEC 60947-1  |
| <b>Electrical Durability</b>                  | 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 |
| <b>Electrical Reliability</b>                 | $\Lambda = 10\exp(-8)$ at 5 V and 1 mA with confidence level of 90 % conforming to IEC 60947-5-4  |
| <b>Signalling Type</b>                        | Steady  |
| <b>Current Consumption</b>                    | 20 mA   |
| <b>Service Life</b>                           | 50000 h   |

## Environment

|  |  |
|--|--|
| <b>Ambient Air Temperature For Storage</b>   | -40...70 °C  |
| <b>Ambient Air Temperature For Operation</b> | -25...55 °C  |
| <b>Ip Degree Of Protection</b>               | IP40 conforming to IEC 60529   |
| <b>Standards</b>                             | JIS C 4520<br>JIS C 852<br>CSA C22.2 No 14<br>UL 508<br>IEC 60947-5-1<br>IEC 60947-1               |
| <b>Product Certifications</b>                | cURus<br>CCC   |
| <b>Vibration Resistance</b>                  | 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 |
| <b>Shock Resistance</b>                      | 20 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27              |
| <b>Electromagnetic Compatibility</b>         | Electrostatic discharge immunity test - test level: 8 kV conforming to IEC 61000-4-2               |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

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[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information   [Yes](#)

## Certifications & Standards

|                           |   |
|---------------------------|---|
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>   |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>   |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| Circularity Profile       | <a href="#">End of Life Information</a>   |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Nickel compounds and Di-isodecyl phthalate (DIDP) which is known to the State of California to cause Carcinogen and Reproductive harm. For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a> |