# Product data sheet

Main





Monolithic illuminated push button, Harmony XB7, plastic, blue, 22mm, integral LED, spring return, 110...120V AC, 1NO

XB7NW36G1



(!) Discontinued on: Jun 30, 2023



| Range of product  Harmony XB7  Product or component type  Illuminated push-button  Device short name  XB7  Mounting diameter  0.9 in (22 mm)  Sale per indivisible quantity  10  IP degree of protection  IP20 IEC 60529 rear face) IP65 IEC 60529 front face) Shape of signaling unit head  Round  Type of operator  Spring return  Operator profile  Blue projecting, unmarked  Contacts type and composition  1 NO  Connections - terminals  Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1 Light source  LED  Bulb base  Integral LED  [Us] rated supply voltage  120 V AC 50/60 Hz  device presentation  Monolithic product |                               |                           |
|---|-------------------------------|---------------------------|
| Device short name  XB7  Mounting diameter  0.9 in (22 mm)  Sale per indivisible quantity  10  IP degree of protection  IP20 IEC 60529 rear face) IP65 IEC 60529 front face)  Shape of signaling unit head  Round  Type of operator  Spring return  Operator profile  Blue projecting, unmarked  Contacts type and composition  1 NO  Connections - terminals  Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1  Light source  LED  Bulb base  Integral LED  [Us] rated supply voltage  120 V AC 50/60 Hz   | Range of product              | Harmony XB7               |
| Mounting diameter  0.9 in (22 mm)  Sale per indivisible quantity  10  IP degree of protection  IP20 IEC 60529 rear face) IP65 IEC 60529 front face)  Shape of signaling unit head  Round  Type of operator  Operator profile  Blue projecting, unmarked  Contacts type and composition  1 NO  Connections - terminals  Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1  Light source  LED  Bulb base  Integral LED  [Us] rated supply voltage  120 V AC 50/60 Hz  | Product or component type     | Illuminated push-button   |
| Sale per indivisible quantity  IP degree of protection  IP20 IEC 60529 rear face) IP65 IEC 60529 front face)  Shape of signaling unit head  Round  Type of operator  Spring return  Operator profile  Blue projecting, unmarked  Contacts type and composition  1 NO  Connections - terminals  Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1  Light source  LED  Bulb base  Integral LED  [Us] rated supply voltage  120 V AC 50/60 Hz  | Device short name             | XB7                       |
| IP degree of protection  IP20 IEC 60529 rear face) IP65 IEC 60529 front face)  Shape of signaling unit head  Round  Type of operator  Spring return  Operator profile  Blue projecting, unmarked  Contacts type and composition  1 NO  Connections - terminals  Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1  Light source  LED  Bulb base  Integral LED  [Us] rated supply voltage  120 V AC 50/60 Hz   | Mounting diameter             | 0.9 in (22 mm)            |
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| Operator profile Blue projecting, unmarked  Contacts type and composition 1 NO  Connections - terminals Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1  Light source LED  Bulb base Integral LED  [Us] rated supply voltage 120 V AC 50/60 Hz  | Shape of signaling unit head  | Round                     |
| Contacts type and composition  1 NO  Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1  Light source  LED  Bulb base  Integral LED  [Us] rated supply voltage  120 V AC 50/60 Hz  | Type of operator              | spring return             |
| Connections - terminals  Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1  Light source  LED  Bulb base  Integral LED  [Us] rated supply voltage  120 V AC 50/60 Hz  | Operator profile              | Blue projecting, unmarked |
| Screw clamp terminals, 1 x 0.342 x 2.5 mm² without cable end IEC 60947-1  Light source  LED  Bulb base  Integral LED  [Us] rated supply voltage  120 V AC 50/60 Hz  | Contacts type and composition | 1 NO                      |
| Bulb base Integral LED  [Us] rated supply voltage 120 V AC 50/60 Hz   | Connections - terminals       | ,                         |
| [Us] rated supply voltage 120 V AC 50/60 Hz   | Light source                  | LED                       |
|   | Bulb base                     | Integral LED              |
| device presentation Monolithic product  | [Us] rated supply voltage     | 120 V AC 50/60 Hz         |
| · · · · · · · · · · · · · · · · · · ·   | device presentation           | Monolithic product        |

## Complementary

| CAD overall width         1.1 in (29 mm)           CAD overall height         1.1 in (29 mm)           CAD overall depth         2.3 in (57.5 mm)           Terminals description ISO n°1         (13-14)NO           Net weight         0.051 lb(US) (0.023 kg)           Device mounting         Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1           Fixing center         >= 30 x 40 mm support panel) metal 0.040.2 in (16 mm)           >= 30 x 40 mm support panel) plastic 0.080.2 in (26 mm)           Fixing mode         Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m)           Contact operation         Slow-break           Positive opening         With (only NO)           Mechanical durability         300000 cycles |                               |  |
|---|-------------------------------|--|
| CAD overall depth         2.3 in (57.5 mm)           Terminals description ISO n°1         (13-14)NO           Net weight         0.051 lb(US) (0.023 kg)           Device mounting         Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1           Fixing center         >= 30 x 40 mm support panel) metal 0.040.2 in (16 mm)           >= 30 x 40 mm support panel) plastic 0.080.2 in (26 mm)           Fixing mode         Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m)           Contact operation         Slow-break           Positive opening         With (only NO)  | CAD overall width             | 1.1 in (29 mm)                                       |
| Terminals description ISO n°1         (13-14)NO           Net weight         0.051 lb(US) (0.023 kg)           Device mounting         Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1           Fixing center         >= 30 x 40 mm support panel) metal 0.040.2 in (16 mm)           >= 30 x 40 mm support panel) plastic 0.080.2 in (26 mm)           Fixing mode         Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m)           Contact operation         Slow-break           Positive opening         With (only NO)   | CAD overall height            | 1.1 in (29 mm)                                       |
| Net weight         0.051 lb(US) (0.023 kg)           Device mounting         Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1           Fixing center         >= 30 x 40 mm support panel) metal 0.040.2 in (16 mm)   | CAD overall depth             | 2.3 in (57.5 mm)                                     |
| Device mounting         Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1           Fixing center         >= 30 x 40 mm support panel) metal 0.040.2 in (16 mm) >= 30 x 40 mm support panel) plastic 0.080.2 in (26 mm)           Fixing mode         Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m)           Contact operation         Slow-break           Positive opening         With (only NO)  | Terminals description ISO n°1 | (13-14)NO  |
| Fixing center         >= 30 x 40 mm support panel) metal 0.040.2 in (16 mm)           >= 30 x 40 mm support panel) plastic 0.080.2 in (26 mm)           Fixing mode         Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m)           Contact operation         Slow-break           Positive opening         With (only NO)   | Net weight                    | 0.051 lb(US) (0.023 kg)                              |
| >= 30 x 40 mm support panel) plastic 0.080.2 in (26 mm)  Fixing mode Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m)  Contact operation Slow-break  Positive opening With (only NO)  | Device mounting               | Fixing hole 0.9 in (22.5 mm) 22.3 +0.4/0 IEC 60947-1 |
| Contact operation Slow-break  Positive opening With (only NO)   | Fixing center                 | *              |
| Positive opening With (only NO)   | Fixing mode                   | Fixing nut beneath head 17.721.2 lbf.in (22.4 N.m)   |
|   | Contact operation             | Slow-break   |
| Mechanical durability 300000 cycles   | Positive opening              | With (only NO)                                       |
|   | Mechanical durability         | 300000 cycles  |

| Tightening torque                      | 7.0810.6 lbf.in (0.81.2 N.m) IEC 60947-1                                       |
|--|--|
| Shape of screw head                    | Cross JIS No 1   |
|  | Cross Philips no 1   |
|  | Cross pozidriv No 1  |
|  | Slotted flat Ø 4 mm  |
|  | Slotted flat Ø 5.5 mm  |
| Short-circuit protection               | 4 A cartridge fuse gG IEC 60947-5-1  |
| [Ui] rated insulation voltage          | 250 V 3)IEC 60947-1  |
| [Uimp] rated impulse withstand voltage | 4 kV IEC 60947-1   |
| [le] rated operational current         | 0.1 A 250 V, DC-13, R300 IEC 60947-5-1   |
|  | 0.22 A 125 V, DC-13, R300 IEC 60947-5-1  |
|  | 0.3 A 240 V, AC-14, D300 IEC 60947-5-1   |
|  | 0.6 A 120 V, AC-14, D300 IEC 60947-5-1   |
| Electrical durability                  | 1000000 cycles, DC-13, 0.3 A 24 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C   |
|  | 1000000 cycles, AC-15, 0.03 A 230 V 216000 cyc/mn 0.5 IEC 60947-5-1 appendix C |
|  | 1000000 cycles, AC-15, 0.09 A 240 V 108000 cyc/mn 0.5 IEC 60947-5-1 appendix C |
| Electrical reliability                 | Λ <= 10exp(-6) 17 V 5 mA IEC 60947-5-4   |
| Signalling type                        | Steady   |
| Supply voltage limits                  | 100132 V AC  |
| Current consumption                    | 1217 mA  |
| Service life                           | 70000 h at rated voltage and 25 °C   |

# **Environment**

| protective treatment                  | ТН   |
|---------------------------------------|--|
| Ambient air temperature for storage   | -40158 °F (-4070 °C)   |
| Ambient air temperature for operation | -13158 °F (-2570 °C)   |
| Electrical shock protection class     | Class II IEC 61140   |
| NEMA degree of protection             | NEMA 12 UL 50 E  |
| Standards                             | JIS C8201-5-1<br>CSA C22.2 No 14<br>UL 508<br>IEC 60947-5-1<br>IEC 60947-1<br>JIS C8201-1        |
| Product certifications                | GOST<br>CCC  |
| Vibration resistance                  | 5 gn 2500 Hz)IEC 60068-2-6   |
| Shock resistance                      | 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27 30 gn 18 ms) half sine wave acceleration |
| Electromagnetic emission              | Class B IEC 55011  |

# **Packing Units**

| Unit Type of Package 1       | PCE             |
|------------------------------|-----------------|
| Number of Units in Package 1 | 1               |
| Package 1 Height             | 2.4 in (6 cm)   |
| Package 1 Width              | 1.3 in (3.2 cm) |
| Package 1 Length             | 1.3 in (3.2 cm) |
| Package 1 Weight             | 0.9 oz (25 g)   |
| Unit Type of Package 2       | S01             |

| Number of Units in Package 2 | 100                 |
|------------------------------|---------------------|
| Package 2 Height             | 5.9 in (15 cm)      |
| Package 2 Width              | 5.9 in (15 cm)      |
| Package 2 Length             | 15.7 in (40 cm)     |
| Package 2 Weight             | 5.5 lb(US) (2.5 kg) |

# **Contractual warranty**

Warranty 18 months

# Sustainability Green Premium

**Green Premium**<sup>TM</sup> **label** is Schneider Electric's commitment to delivering products with best-inclass 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.

Learn more about Green Premium >

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)  |
|--------------------------|---|
| China Rohs Regulation    | China RoHS declaration  |
| Environmental Disclosure | Product Environmental Profile   |
| Weee                     | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile      | End of Life Information   |

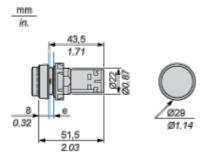
# **Product data sheet**

## **XB7NW36G1**

### **Dimensions Drawings**

#### **Illuminated Pushbutton**

#### **Dimensions**



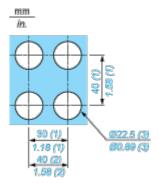
e Support panel thickness: 1 to 6 mm/0.4 to 0.24 in. (metal), 2 to 6 mm/0.8 to 0.24 in. (plastic).

#### **XB7NW36G1**

Mounting and Clearance

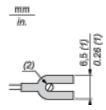
#### Mounting

#### **Diameter of Finished Fixing Holes**



- (1) Minimum value.
- (2) 40 mm/1.58 in. for Emergency switching off pushbutton only.
- (3) Standard value: Ø 22.3 (0; + 0.4) mm/Ø 0.88 (0; + 0.02) in.

### "U" Type Tag Connection



- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

# **Product data sheet**

## **XB7NW36G1**

Connections and Schema

Wiring

