

# Product data sheet

Specifications



Emergency stop push button,  
Harmony XB7, 22mm, red  
mushroom 40mm, trigger latching  
pull to release, 1NC

XB7NT842

## Main

|                               |                                                                                                                                                                             |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB7                                                                                                                                                                 |
| Product or component type     | Emergency stop push-button                                                                                                                                                  |
| Device short name             | XB7                                                                                                                                                                         |
| Mounting diameter             | 22 mm                                                                                                                                                                       |
| Sale per indivisible quantity | 10                                                                                                                                                                          |
| Shape of signaling unit head  | Round                                                                                                                                                                       |
| Type of operator              | latching                                                                                                                                                                    |
| Reset                         | Push-pull                                                                                                                                                                   |
| Operator profile              | Red mushroom Ø 40 mm, unmarked                                                                                                                                              |
| Contacts type and composition | 1 NC                                                                                                                                                                        |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.34...2 x 2.5 mm² without cable end conforming to IEC 60947-1 |
| Device presentation           | Monolithic product                                                                                                                                                          |

## Complementary

|                               |                                                                                                                                                                                                                                                         |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width             | 40 mm                                                                                                                                                                                                                                                   |
| CAD overall height            | 40 mm                                                                                                                                                                                                                                                   |
| CAD overall depth             | 72 mm                                                                                                                                                                                                                                                   |
| Terminals description ISO n°1 | (11-12)NC                                                                                                                                                                                                                                               |
| Product weight                | 0.035 kg                                                                                                                                                                                                                                                |
| Device mounting               | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-1                                                                                                                                                                                   |
| Fixing center                 | >= 30 x 40 mm (support panel) metal - thickness: 1...6 mm<br>>= 30 x 40 mm (support panel) plastic - thickness: 2...6 mm                                                                                                                                |
| Fixing mode                   | Fixing nut beneath head: 2...2.4 N.m                                                                                                                                                                                                                    |
| Contact operation             | Snap action                                                                                                                                                                                                                                             |
| Contacts usage                | Standard                                                                                                                                                                                                                                                |
| Positive opening              | With conforming to IEC 60947-5-1 appendix K                                                                                                                                                                                                             |
| Mechanical durability         | 100000 cycles                                                                                                                                                                                                                                           |
| Tightening torque             | 0.8...1.2 N.m conforming to IEC 60947-1                                                                                                                                                                                                                 |
| Shape of screw head           | Cross compatible with JIS No 1 screwdriver<br>Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver |

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

|                                        |                                                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Short-circuit protection               | 4 A cartridge fuse type gG conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                           |
| [Ui] rated insulation voltage          | 250 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                             |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                   |
| [Ie] rated operational current         | 0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.75 A at 240 V, AC-15, C300 conforming to IEC 60947-5-1<br>1.5 A at 120 V, AC-15, C300 conforming to IEC 60947-5-1                                                                                                                                                       |
| Electrical durability                  | 1000000 cycles, DC-13, 0.3 A at 24 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.03 A at 230 V, operating rate <216000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 0.09 A at 240 V, operating rate <108000 cyc/mn, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical reliability                 | $\Lambda < 5 \times 10\text{exp}(-7)$ at 17 V and 5 mA conforming to IEC 60947-5-4                                                                                                                                                                                                                                                                                                               |

## Environment

|                                       |                                                                                                                          |
|---------------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                       |
| Ambient air temperature for storage   | -40...70 °C                                                                                                              |
| Ambient air temperature for operation | -25...70 °C                                                                                                              |
| Electrical shock protection class     | Class II conforming to IEC 60536                                                                                         |
| IP degree of protection               | IP20 (rear face) conforming to IEC 60529<br>IP65 (front face) conforming to IEC 60529                                    |
| Enclosure Type                        | UL type 3/12                                                                                                             |
| Standards                             | UL 508<br>IEC 60947-1<br>IEC 60947-5-5<br>CSA C22.2 No 14<br>IEC 60204-1<br>ISO 13850<br>IEC 60947-5-1<br>IEC 60364-5-53 |
| Product certifications                | CCC<br>GOST                                                                                                              |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6                                                                         |
| Shock resistance                      | 15 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27                                    |

## Packing Units

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 1       | PCE       |
| Number of Units in Package 1 | 1         |
| Package 1 Height             | 4.000 cm  |
| Package 1 Width              | 4.000 cm  |
| Package 1 Length             | 7.000 cm  |
| Package 1 Weight             | 42.000 g  |
| Unit Type of Package 2       | BB1       |
| Number of Units in Package 2 | 10        |
| Package 2 Height             | 6.000 cm  |
| Package 2 Width              | 15.500 cm |
| Package 2 Length             | 17.500 cm |
| Package 2 Weight             | 426.000 g |

|                              |           |
|------------------------------|-----------|
| Unit Type of Package 3       | S01       |
| Number of Units in Package 3 | 50        |
| Package 3 Height             | 15.000 cm |
| Package 3 Width              | 15.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 2.443 kg  |

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## 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 >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 0.5 kg CO2 eq.                                |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.4 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 0 kg CO2 eq.                                  |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.1 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                        |                                                                                                                                                                                                                                                                                              |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes                                                                                                                                                                                                                                                                                          |
| Packaging without single use plastic   | No                                                                                                                                                                                                                                                                                           |
| EU RoHS Directive                      | <a href="#">Compliant</a>                                                                                                                                                                                                                                                                    |
| REACH Regulation                       | <a href="#">Free of Substances of Very High Concern above the threshold</a>                                                                                                                                                                                                                  |
| California proposition 65              | <b>WARNING:</b> This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again

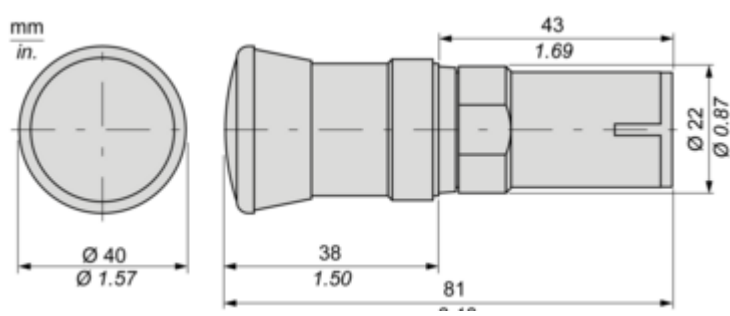


### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

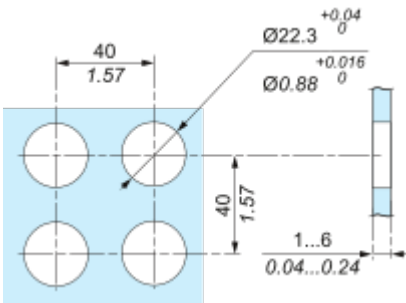
Dimensions Drawings

Non-illuminated Pushbutton

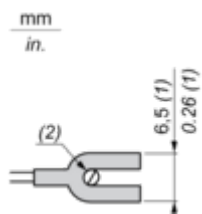


Mounting and Clearance

Panel cut-out



“U” Type Tag Connection

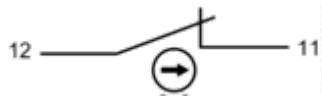


- (1) 6.5 mm/0.26 in. recommended, 7 mm/0.28 in. max.
- (2) M3 screw clamp terminal.

Connections and Schema

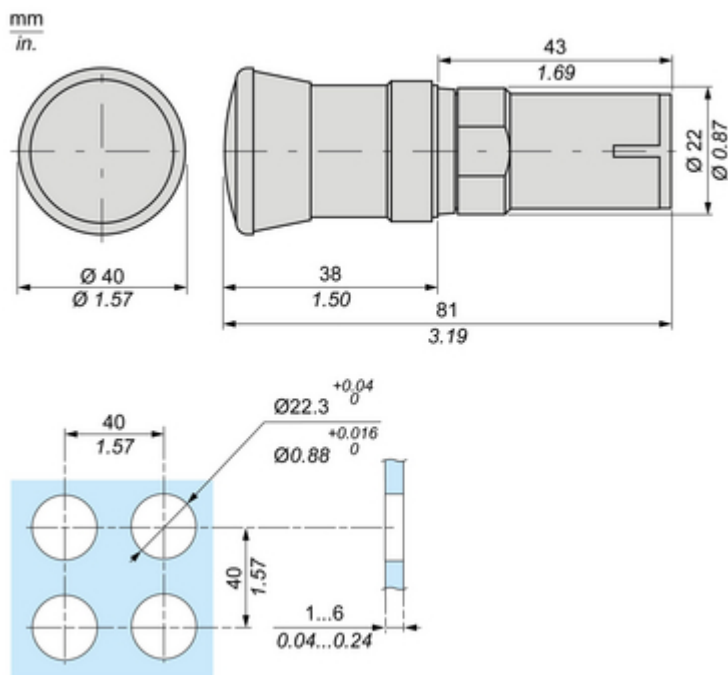
Wiring

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Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

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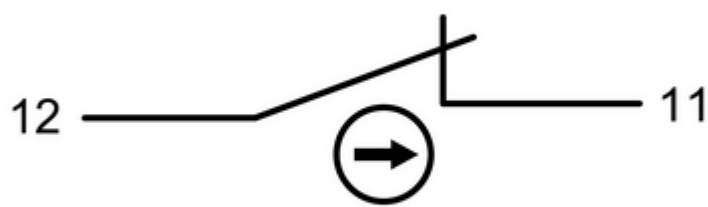


Image of product / Alternate images

Alternative

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