

# XB7NT845

Emergency stop Ø22 - red mushroom Ø40mm  
- trigger latching push-pull 1 NO + 1 NC



## Main

|                               |                                                                                                                                                                                                          |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB7                                                                                                                                                                                              |
| Product or component type     | Emergency stop monolithic pushbutton                                                                                                                                                                     |
| Device short name             | XB7                                                                                                                                                                                                      |
| Mounting diameter             | 22 mm                                                                                                                                                                                                    |
| Sale per indivisible quantity | 10                                                                                                                                                                                                       |
| Shape of signaling unit head  | Round                                                                                                                                                                                                    |
| Type of operator              | Mechanical latching                                                                                                                                                                                      |
| Reset                         | Push-pull                                                                                                                                                                                                |
| Operator profile              | Red mushroom Ø 40 mm unmarked                                                                                                                                                                            |
| Contacts type and composition | 1 NO + 1 NC                                                                                                                                                                                              |
| Connections - terminals       | Screw clamp terminals: 1 x 0.34...2 x 2.5 mm <sup>2</sup> without cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals: ≤ 2 x 1.5 mm <sup>2</sup> with cable end conforming to EN/IEC 60947-1 |

## Complementary

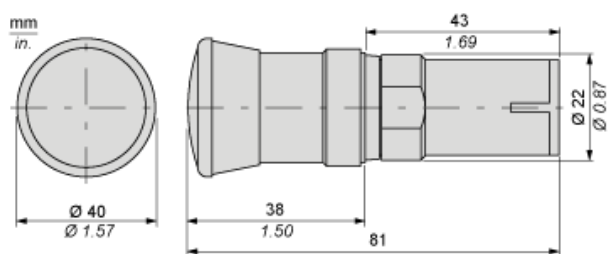
|                                        |                                                                                                                                                                                                                                                                                  |
|----------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                      | 40 mm                                                                                                                                                                                                                                                                            |
| CAD overall height                     | 40 mm                                                                                                                                                                                                                                                                            |
| CAD overall depth                      | 72 mm                                                                                                                                                                                                                                                                            |
| Terminals description ISO n°1          | (13-14)NO<br>(21-22)NC                                                                                                                                                                                                                                                           |
| Product weight                         | 0.035 kg                                                                                                                                                                                                                                                                         |
| Device mounting                        | Fixing hole: Ø 22.5 mm (22.3 +0.4/0) conforming to EN/IEC 60947-1                                                                                                                                                                                                                |
| Fixing center                          | ≥ 30 x 40 mm on support panel, plastic, thickness: 2...6 mm<br>≥ 30 x 40 mm on support panel, metal, thickness: 1...6 mm                                                                                                                                                         |
| Fixing mode                            | Fixing nut beneath head recommended torque: 2.2 N.m (+/- 0.2 N.m)                                                                                                                                                                                                                |
| Contacts operation                     | Snap action                                                                                                                                                                                                                                                                      |
| Contacts usage                         | Standard                                                                                                                                                                                                                                                                         |
| Positive opening                       | With positive opening conforming to EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                                  |
| Mechanical durability                  | 100000 cycles                                                                                                                                                                                                                                                                    |
| Tightening torque                      | 0.8...1.2 N.m conforming to EN 60947-1                                                                                                                                                                                                                                           |
| Shape of screw head                    | Slotted head compatible with flat Ø 5.5 mm screwdriver<br>Slotted head compatible with flat Ø 4 mm screwdriver<br>Cross head compatible with pozidriv No 1 screwdriver<br>Cross head compatible with Philips no 1 screwdriver<br>Cross head compatible with JIS No 1 screwdriver |
| Short circuit protection               | 4 A cartridge fuse type gG conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                        |
| [Ui] rated insulation voltage          | 250 V (degree of pollution: 3) conforming to EN/IEC 60947-1                                                                                                                                                                                                                      |
| [Uimp] rated impulse withstand voltage | 4 kV conforming to EN/IEC 60947-1                                                                                                                                                                                                                                                |
| [Ie] rated operational current         | 1.5 A at 120 V, AC-15, C300 conforming to EN/IEC 60947-5-1<br>0.75 A at 240 V, AC-15, C300 conforming to EN/IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1<br>0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1                           |
| Electrical reliability IEC 60947-5-4   | Λ < 5 x 10exp(-7) at 17 V, 5 mA conforming to IEC 60947-5-4                                                                                                                                                                                                                      |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                            |                                                                                                                                         |
|--------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                       | TH                                                                                                                                      |
| Ambient air temperature for storage        | -40...70 °C                                                                                                                             |
| Ambient air temperature for operation      | -25...70 °C                                                                                                                             |
| Class of protection against electric shock | Class II conforming to IEC 60536                                                                                                        |
| IP degree of protection                    | IP65 (front face) conforming to IEC 60529<br>IP20 (rear face) conforming to IEC 60529                                                   |
| NEMA degree of protection                  | NEMA 3 conforming to UL 50<br>NEMA 12 conforming to UL 50                                                                               |
| Standards                                  | EN/IEC 60204-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-5<br>EN/ISO 13850<br>IEC 60364-5-53<br>UL 508<br>CSA C22.2 No 14 |
| 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                                                   |

Non-illuminated Pushbutton



## 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.

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Wiring

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