

# XB5AS9445

red Ø40 Emergency stop, switching off Ø22  
trigger latching key release 1NO+1NC



## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB5  |
| Product or component type     | Emergency stop push-button<br>Emergency switching off push-button  |
| Device short name             | XB5  |
| Bezel material                | Dark grey plastic  |
| Fixing collar material        | Plastic  |
| Head type                     | Standard   |
| Mounting diameter             | 22 mm  |
| Sale per indivisible quantity | 1  |
| Shape of signaling unit head  | Round  |
| Type of operator              | Trigger action and mechanical latching   |
| Reset                         | Key release  |
| Operator profile              | Red mushroom Ø 40 mm, unmarked   |
| Type of keylock               | Key 455  |
| Key withdrawal position       | Center   |
| Contact operation             | Slow-break   |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1 |
| Device presentation           | Complete product   |

## Complementary

|  |   |
|--|---|
| Height   | 43 mm   |
| Width  | 40 mm   |
| Depth  | 100 mm  |
| Terminals description ISO n°1                            | (11-12)NC<br>(13-14)NO  |
| Net weight   | 0.112 kg  |
| Resistance to high pressure washer                       | 7000000 Pa at 55 °C, distance : 0.1 m   |
| Contacts usage   | Standard contacts   |
| Positive opening   | With conforming to IEC 60947-5-1 appendix K   |
| Operating travel   | 1.5 Mm (NC changing electrical state)<br>2.6 Mm (NO changing electrical state)<br>4.3 mm (total travel)   |
| Operating force  | 44 N  |
| Mechanical durability                                    | 300000 cycles   |
| Tightening torque  | 0.8...1.2 N.m conforming to IEC 60947-1   |
| Shape of screw head                                      | 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 |
| Contacts material  | Silver alloy (Ag/Ni)  |
| Short-circuit protection                                 | 10 A cartridge fuse type gG conforming to IEC 60947-5-1   |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A conforming to IEC 60947-5-1  |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V (pollution degree 3) conforming to IEC 60947-1  |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV conforming to IEC 60947-1  |

The information provided in this documentation contains general descriptions and/or technical characteristics 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.

|                                |  |
|--------------------------------|--|
| [Ie] rated operational current | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1   |
| Electrical durability          | 1000000 Cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to IEC 60947-5-1 appendix C |
| Electrical reliability         | $\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Protective treatment                  | TH   |
| Ambient air temperature for storage   | -40...70 °C  |
| Ambient air temperature for operation | -40...70 °C  |
| Overvoltage category                  | Class II conforming to IEC 60536   |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X   |
| IK degree of protection               | IK03 conforming to IEC 50102   |
| Standards                             | IEC 60204-1<br>JIS C8201-5-1<br>IEC 60947-5-4<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>UL 508<br>IEC 60364-5-53<br>ISO 13850<br>IEC 60947-5-5<br>IEC 60947-1<br>JIS C8201-1      |
| Product certifications                | CSA[RETURN]BV[RETURN]DNV[RETURN]LR0S (Lloyds register of shipping)<br>[RETURN]UL listed[RETURN]GL  |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                      | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 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             | 4.2 cm   |
| Package 1 Width              | 5.8 cm   |
| Package 1 Length             | 8.6 cm   |
| Package 1 Weight             | 95.0 g   |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 80       |
| Package 2 Height             | 30.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 8.157 kg |

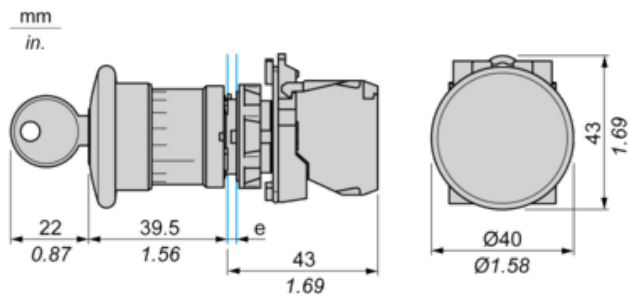
## Offer Sustainability

|                            |   |
|----------------------------|---|
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| RoHS exemption information | <a href="#">Yes</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Dimensions



e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors                          | 45      | 1.77     | 32      | 1.26     |
| On printed circuit board                      | 30      | 1.18     | 30      | 1.18     |

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3 \text{ }_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )