

# XB5AS9442

red Ø40 Emergency stop, switching off  
pushbutton Ø22 latching key release 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             | 0.87 in (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               | Ronis 455                                                                                                                                                                  |
| Key withdrawal position       | Center                                                                                                                                                                     |
| Contacts type and composition | 1 NC                                                                                                                                                                       |
| Contact operation             | Slow-break                                                                                                                                                                 |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1 |
| Device presentation           | Complete product                                                                                                                                                           |

## Complementary

|                                             |                                                                                           |
|---------------------------------------------|-------------------------------------------------------------------------------------------|
| Maximum Height                              | 1.69 in (43 mm)                                                                           |
| Maximum Width                               | 1.57 in (40 mm)                                                                           |
| Maximum Depth                               | 3.94 in (100 mm)                                                                          |
| Terminals description ISO n°1               | (11-12)NC                                                                                 |
| Net Weight                                  | 0.17 lb(US) (0.075 kg)                                                                    |
| Resistance to high pressure washer          | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                             |
| Contacts usage                              | Standard contacts                                                                         |
| Positive opening                            | With EN/IEC 60947-5-1 appendix K                                                          |
| Operating travel                            | 0.06 in (1.5 mm) NC changing electrical state)<br>0.17 in (4.3 mm) total travel)          |
| Mechanical durability                       | 300000 cycles                                                                             |
| Tightening torque                           | 7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1                                            |
| Shape of screw head                         | Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm |
| Contacts material                           | Silver alloy (Ag/Ni)                                                                      |
| Short-circuit protection                    | 10 A cartridge fuse gG EN/IEC 60947-5-1                                                   |
| [Ith] conventional free air thermal current | 10 A EN/IEC 60947-5-1                                                                     |
| [Ui] rated insulation voltage               | 600 V 3)EN 60947-1                                                                        |
| [Uimp] rated impulse withstand voltage      | 6 kV EN 60947-1                                                                           |

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

## Environment

|                                       |                                                                                                                                                                                             |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                                          |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                                                                                                  |
| Ambient air temperature for operation | -40...158 °F (-40...70 °C)                                                                                                                                                                  |
| Overvoltage category                  | Class II IEC 60536                                                                                                                                                                          |
| IP degree of protection               | IP66 IEC 60529<br>IP67<br>IP69<br>IP69K                                                                                                                                                     |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                                                                                          |
| IK degree of protection               | IK03 IEC 50102                                                                                                                                                                              |
| Standards                             | JIS C8201-5-1<br>EN/IEC 60947-5-5<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>EN/ISO 13850<br>EN/IEC 60204-1<br>UL 508<br>IEC 60364-5-53<br>EN/IEC 60947-5-4<br>JIS C8201-1 |
| Product certifications                | DNV<br>CSA<br>UL Listed<br>LROS (Lloyds register of shipping)<br>RINA<br>BV<br>GL                                                                                                           |
| Vibration resistance                  | 5 gn 2...500 Hz)IEC 60068-2-6                                                                                                                                                               |
| Shock resistance                      | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms) half sine wave acceleration IEC 60068-2-27                                                                          |

## Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22467 - PUSHBUTTONS,22MM(PLASTIC) NEW |
| Discount Schedule     | CS2                                   |
| GTIN                  | 00785901949510                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 0.2 lb(US) (0.09 kg)                  |
| Returnability         | No                                    |
| Country of origin     | CZ                                    |

## Packing Units

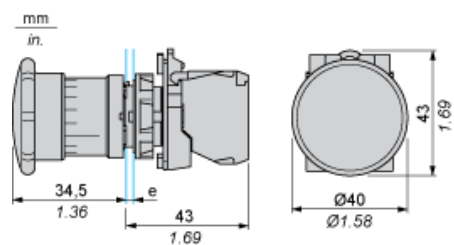
|                              |                  |
|------------------------------|------------------|
| Unit Type of Package 1       | PCE              |
| Package 1 Height             | 3.46 in (8.8 cm) |
| Package 1 width              | 2.09 in (5.3 cm) |
| Package 1 Length             | 1.69 in (4.3 cm) |
| Unit Type of Package 2       | S03              |
| Number of Units in Package 2 | 80               |

|                  |                         |
|------------------|-------------------------|
| Package 2 Weight | 16.28 lb(US) (7.386 kg) |
| Package 2 Height | 11.81 in (30 cm)        |
| Package 2 width  | 11.81 in (30 cm)        |
| Package 2 Length | 15.75 in (40 cm)        |

## Offer Sustainability

|                            |                                                                                                                              |
|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                        |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>                               |
| Mercury free               | Yes                                                                                                                          |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                          |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>                                                                                       |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>                                                                                |
| Circularity Profile        | <a href="#">End Of Life Information</a>                                                                                      |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins. |

## 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 ( $\varnothing 0.88 \text{ in. }_0^{+0.016}$ )