

# XB5AA731327

Harmony XB5, Triple-headed push button, plastic, Ø22, marked, 1 green flush I + 1 red projecting STOP + 1 green flush II, 2 NO + 1 NC



## Main

|                               |                                                                                                                                                                                                                                                                       |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB5                                                                                                                                                                                                                                                           |
| Product or Component Type     | Triple-headed 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)                                                                                                                                                                                                                                                       |
| Shape of signaling unit head  | Rectangular                                                                                                                                                                                                                                                           |
| Type of operator              | Spring return                                                                                                                                                                                                                                                         |
| Operator profile              | 2 flush - 1 central projecting STOP push-buttons                                                                                                                                                                                                                      |
| Operators description         | Green "I" - green "II" - red "STOP"                                                                                                                                                                                                                                   |
| Contacts type and composition | 2 NO + 1 NC                                                                                                                                                                                                                                                           |
| Contact operation             | Slow-break                                                                                                                                                                                                                                                            |
| Connections - terminals       | Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN/IEC 60947-1<br>Spring terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN/IEC 60947-1<br>Spring terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN/IEC 60947-1 |
| Device presentation           | Complete product                                                                                                                                                                                                                                                      |

## Complementary

|                                             |                                                                                                                                                                                                 |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product Weight                              | 0.14 lb(US) (0.063 kg)                                                                                                                                                                          |
| Resistance to high pressure washer          | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                                                                                   |
| Colour of marking                           | White marking when green, red or black caps<br>Black marking when white caps                                                                                                                    |
| Operator profile                            | Red projecting, STOP white)<br>Green flush, II white)                                                                                                                                           |
| 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>0.10 in (2.6 mm) NO changing electrical state)<br>0.17 in (4.3 mm) total travel)                                                              |
| Operating force                             | 3.5 N NC changing electrical state<br>3.8 N NO changing electrical state                                                                                                                        |
| Mechanical durability                       | 1000000 cycles                                                                                                                                                                                  |
| Tightening torque                           | 7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1                                                                                                                                                  |
| Shape of screw head                         | Cross JIS No 1<br>Cross Philips no 1<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 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                                                                                                                                                                                                                                                                                                                                                                                           |
| [Ie] 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

|                                       |                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature for Storage   | -40...158 °F (-40...70 °C)                                                                                          |
| Ambient Air Temperature for Operation | -13...158 °F (-25...70 °C)                                                                                          |
| Electrical shock protection class     | Class II IEC 61140                                                                                                  |
| IP degree of protection               | IP67 IEC 60529<br>IP69 IEC 60529<br>IP69K                                                                           |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X                                                                                                  |
| IK degree of protection               | IK05 IEC 50102                                                                                                      |
| Standards                             | EN/IEC 60947-5-4<br>JIS C8201-5-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>UL 508<br>JIS C8201-1 |
| Product Certifications                | LROS (Lloyds register of shipping)<br>UL Listed<br>BV<br>DNV<br>GL<br>CSA                                           |
| 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                  | 3389119043526                         |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 2.15 oz (61 g)                        |
| Returnability         | No                                    |
| Country of origin     | FR                                    |

## Packing Units

|                              |                        |
|------------------------------|------------------------|
| Unit Type of Package 1       | PCE                    |
| Package 1 Height             | 1.34 in (3.4 cm)       |
| Package 1 width              | 2.05 in (5.2 cm)       |
| Package 1 Length             | 3.23 in (8.2 cm)       |
| Unit Type of Package 2       | S02                    |
| Number of Units in Package 2 | 50                     |
| Package 2 Weight             | 7.42 lb(US) (3.367 kg) |
| Package 2 Height             | 5.91 in (15 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                                                                                                                                                                                                                                                                       |
| California proposition 65  | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                                                                                                                                                                                           |
| REACH free of SVHC         | Yes                                                                                                                                                                                                                                                                                         |
| 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.                                                                                                                                                                |

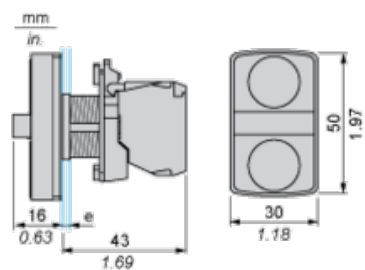
## Contractual warranty

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

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Dimensions

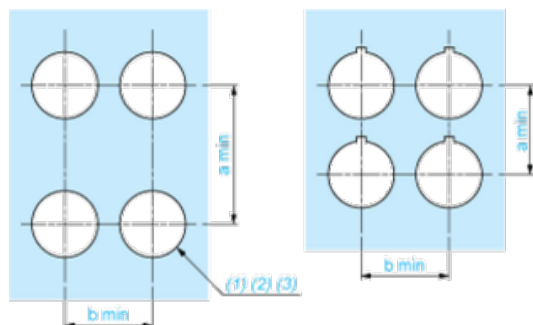
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e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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

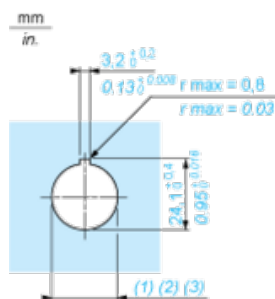
### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

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