

# XB5AA31

Harmony XB5, Push button, plastic, flush, green, Ø22, spring return, unmarked, 1 NO

Product availability : Stock - Normally stocked in distribution facility



Price\* : 38.50 USD



## Main

|                               |                                                                                                                                                                                             |
|-------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB5                                                                                                                                                                                 |
| Product or component type     | Push-button                                                                                                                                                                                 |
| Device short name             | XB5                                                                                                                                                                                         |
| Bezel material                | Plastic<br>Dark grey plastic                                                                                                                                                                |
| Head type                     | Standard                                                                                                                                                                                    |
| Fixing collar material        | Plastic                                                                                                                                                                                     |
| Mounting diameter             | 0.87 in (22 mm)                                                                                                                                                                             |
| Sale per indivisible quantity | 1                                                                                                                                                                                           |
| Shape of signaling unit head  | Round                                                                                                                                                                                       |
| Type of operator              | spring return                                                                                                                                                                               |
| Operator profile              | Green flush, unmarked                                                                                                                                                                       |
| Contacts type and composition | 1 NO                                                                                                                                                                                        |
| Contact operation             | Slow-break                                                                                                                                                                                  |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end EN/IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm <sup>2</sup> without cable end conforming to EN/IEC 60947-1 |

## Complementary

|                                    |                                               |
|------------------------------------|-----------------------------------------------|
| Height                             | 1.65 in (42 mm)                               |
| Width                              | 1.18 in (30 mm)                               |
| Depth                              | 2.05 in (52 mm)                               |
| Terminals description ISO n°1      | (13-14)NO                                     |
| Net Weight                         | 0.08 lb(US) (0.037 kg)                        |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m |
| Contacts usage                     | Standard contacts                             |

\* Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Jul 30, 2021

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                      |
|---------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positive opening                            | Without                                                                                                                                                                                                                                                                                                                                                                                              |
| Operating travel                            | 0.10 in (2.6 mm) NO changing electrical state)<br>0.17 in (4.3 mm) total travel)                                                                                                                                                                                                                                                                                                                     |
| Operating force                             | 3.8 N NO changing electrical state                                                                                                                                                                                                                                                                                                                                                                   |
| Mechanical durability                       | 10000000 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/IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                               |
| [Uimp] rated impulse withstand voltage      | 6 kV EN/IEC 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                                                                                                                                                                                                                                                      |
| Device presentation                         | Complete product                                                                                                                                                                                                                                                                                                                                                                                     |
| Customizable                                | Yes                                                                                                                                                                                                                                                                                                                                                                                                  |
| Customizable                                | 1                                                                                                                                                                                                                                                                                                                                                                                                    |
| GCR BRIDGE                                  | XB5AACUST01                                                                                                                                                                                                                                                                                                                                                                                          |
| Compatibility code                          | XB5                                                                                                                                                                                                                                                                                                                                                                                                  |

## 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 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                                                                                       |
| Product certifications                | DNV<br>BV<br>CSA<br>LROS (Lloyds register of shipping)<br>GL<br>UL Listed                                          |
| 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                  | 03389110903409    |
| Nbr. of units in pkg. | 1                 |
| Package weight(Lbs)   | 1.26 oz (35.64 g) |
| Returnability         | Yes               |
| Country of origin     | FR                |

### Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 1.38 in (3.5 cm) |
| Package 1 width        | 2.17 in (5.5 cm) |
| Package 1 Length       | 3.35 in (8.5 cm) |

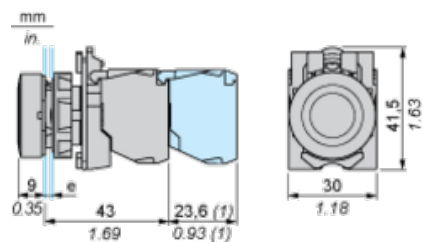
### Offer Sustainability

|                            |                                                                                                                                                                                                                                                                                       |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                                                                                                                 |
| California proposition 65  | WARNING: 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> |
| 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)<br><a href="#">EU RoHS Declaration</a>                                                                                                                                                                                     |
| Toxic heavy metal free     | Yes                                                                                                                                                                                                                                                                                   |
| 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 |
|----------|-----------|

## Dimensions

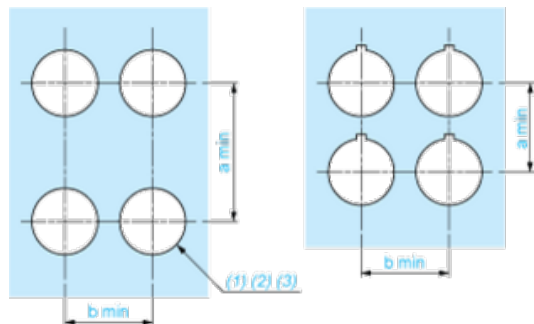


$e$ : clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

(1) Additional row of contacts or double contact

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

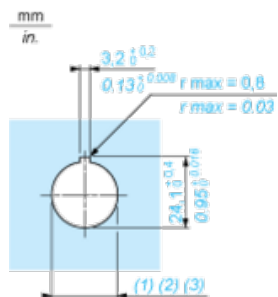
### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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) Ø22.5 mm recommended ( $\text{Ø}22.3 \text{ }_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. }_0^{+0.016}$ )

| 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) Ø22.5 mm recommended ( $\text{Ø}22.3 \text{ }_0^{+0.4}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. }_0^{+0.016}$ )