

# Product data sheet

## Characteristics

# XB5AW73731G5

Harmony XB5, Illuminated double-headed push button, plastic, Ø22, 1 green flush I + 1 pilot light + 1 red projecting O, 120 V AC/DC, 1 NO + 1 NC



Product availability: Non-Stock - Not normally stocked in distribution facility

Price\*: 123.50 USD



### Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB5  |
| Product or component type     | Illuminated double-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              | 1 flush - 1 projecting push-buttons - 1 central pilot light  |
| Operators description         | Green "I" - red "O"  |
| Contacts type and composition | 1 NO + 1 NC  |
| 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 mm <sup>2</sup> without cable end EN/IEC 60947-1<br>Spring terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end EN/IEC 60947-1<br>Spring terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end EN/IEC 60947-1 |
| Light source                  | Protected LED  |
| Bulb base                     | Integral LED   |
| [Us] rated supply voltage     | 110...120 V AC 50/60 Hz  |

### Complementary

|                                    |   |
|------------------------------------|---|
| Height                             | 1.97 In (50 mm)                               |
| Width                              | 1.18 In (30 mm)                               |
| Depth                              | 2.32 In (59 mm)                               |
| Terminals description ISO n°1      | (11-12)NC<br>(13-14)NO                        |
| Net weight                         | 0.15 Lb(US) (0.066 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   | Green flush, I white)<br>Red projecting, O 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 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   |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A EN/IEC 60947-5-1   |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V 3)EN 60947-1  |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 KV EN 60947-1   |
| [I <sub>e</sub> ] 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   |
| Signalling type  | Steady  |
| Light source colour                                      | Yellow  |
| Supply voltage limits                                    | 94...132 V AC   |
| Current consumption                                      | 14 mA   |
| Service life   | 100000 Year(S) at rated voltage and 25 °C   |
| Surge withstand  | 1 KV IEC 61000-4-5  |
| Device presentation                                      | Complete product  |

## 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 61140          |
| IP degree of protection               | IP66 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 60947-5-1<br>CSA C22.2 No 14<br>UL 508<br>EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>JIS C8201-5-1<br>JIS C8201-1 |
| Product certifications                | UL Listed<br>GL<br>LROS (Lloyds register of shipping)<br>DNV<br>BV<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  |
| Resistance to fast transients         | 2 KV IEC 61000-4-4  |
| Resistance to electromagnetic fields  | 9.14 V/M (10 V/m) IEC 61000-4-3   |
| Resistance to electrostatic discharge | 6 KV on contact (on metal parts) IEC 61000-4-2<br>8 KV in free air (in insulating parts) IEC 61000-4-2              |
| Electromagnetic emission              | Class B IEC 55011   |

### Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22467 - PUSHBUTTONS,22MM(PLASTIC) NEW |
| Discount Schedule     | CS2                                   |
| GTIN                  | 03389119043557                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 2.22 Oz (63 g)                        |
| Returnability         | No                                    |
| Country of origin     | FR                                    |

### Packing Units

|                        |                  |
|------------------------|------------------|
| Unit Type of Package 1 | PCE              |
| Package 1 Height       | 3.39 In (8.6 cm) |
| Package 1 width        | 1.30 In (3.3 cm) |
| Package 1 Length       | 2.09 In (5.3 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

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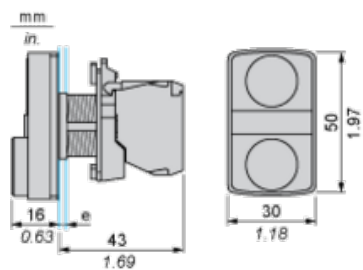
|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

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Dimensions

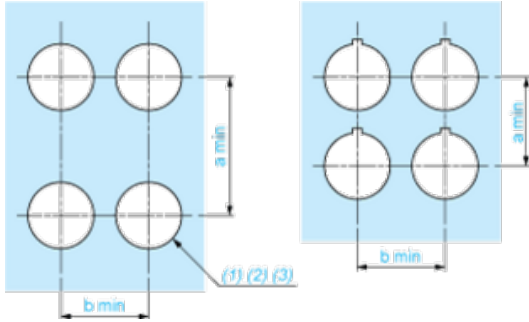
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e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

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

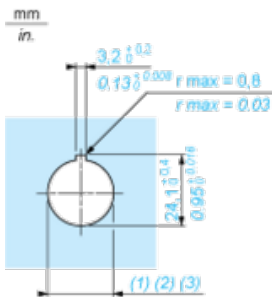
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

Product Life Status : **Commercialised**