

# XB5AW33G5

green flush complete illum pushbutton Ø22  
spring return 1NO+1NC 110...120V

Product availability: Stock - Normally stocked in distribution facility



## Main

|                                 |  |
|---------------------------------|--|
| Range of product                | Harmony XB5  |
| Product or component type       | Illuminated 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                | Spring return  |
| Operator profile                | Green flush unmarked   |
| Operator additional information | With plain lens  |
| Contacts type and composition   | 1 NO + 1 NC  |
| Contact operation               | Slow-break   |
| Connections - terminals         | Screw clamp terminals: $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals: $1 \times 0.22...2 \times 2.5 \text{ mm}^2$ without cable end conforming to 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                             | 1.65 in (42 mm)   |
| Width                              | 1.18 in (30 mm)   |
| Depth                              | 2.24 in (57 mm)   |
| Terminals description ISO n°1      | (21-22)NC<br>(13-14)NO  |
| Product weight                     | 0.12 lb(US) (0.056 kg)  |
| Resistance to high pressure washer | 1015.26 psi (7000000 Pa) at 131 °F (55 °C), distance: 0.1 m   |
| Contacts usage                     | Standard contacts   |
| Positive opening                   | With positive opening conforming to EN/IEC 60947-5-1 appendix K   |
| Operating travel                   | 0.06 in (1.5 mm) (NC changing electrical state)<br>0.1 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   |
| Mechanical durability              | 10000000 cycles   |
| Tightening torque                  | 7.08...10.62 lbf.in (0.8...1.2 N.m) conforming to EN 60947-1  |
| Shape of screw head                | Cross head compatible with Philips no 1 screwdriver<br>Cross head compatible with pozidriv No 1 screwdriver<br>Slotted head compatible with flat Ø 4 mm screwdriver<br>Slotted head 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 EN/IEC 60947-5-1  |

|  |   |
|--|---|
| [I <sub>th</sub> ] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1   |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V (degree of pollution: 3) conforming to EN/IEC 60947-1   |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV conforming to EN/IEC 60947-1   |
| [I <sub>e</sub> ] rated operational current              | 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to EN/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 EN/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 EN/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 EN/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 EN/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 EN/IEC 60947-5-1 appendix C |
| Electrical reliability                                   | $\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4   |
| Signalling type  | Steady  |
| Supply voltage limits                                    | 100...132 V AC  |
| Current consumption                                      | 14 mA   |
| Service life   | 100000 h at rated voltage and 25 °C   |
| Surge withstand  | 1 kV conforming to 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 60536   |
| IP degree of protection               | IP69<br>IP67<br>IP66 conforming to IEC 60529<br>IP69K  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X   |
| IK degree of protection               | IK05 conforming to IEC 50102   |
| Standards                             | JIS C 4520<br>EN/IEC 60947-5-4<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>EN/IEC 60947-1<br>UL 508  |
| Product certifications                | RINA<br>DNV<br>LROS (Lloyds register of shipping)<br>BV<br>GL<br>UL listed<br>CSA  |
| Vibration resistance                  | 5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6  |
| Shock resistance                      | 30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27 |
| Resistance to fast transients         | 2 kV conforming to IEC 61000-4-4   |
| Resistance to electromagnetic fields  | 9.14 V/yd (10 V/m) conforming to IEC 61000-4-3   |
| Resistance to electrostatic discharge | 6 kV on contact (on metal parts) conforming to IEC 61000-4-2<br>8 kV in free air (in insulating parts) conforming to IEC 61000-4-2                                     |
| Electromagnetic emission              | Class B conforming to IEC 55011  |

### Ordering and shipping details

|                       |                                       |
|-----------------------|---------------------------------------|
| Category              | 22467 - PUSHBUTTONS,22MM(PLASTIC) NEW |
| Discount Schedule     | CS2                                   |
| GTIN                  | 00785901384359                        |
| Nbr. of units in pkg. | 1                                     |
| Package weight(Lbs)   | 0.10000000000000001                   |
| Returnability         | Y                                     |
| Country of origin     | FR                                    |

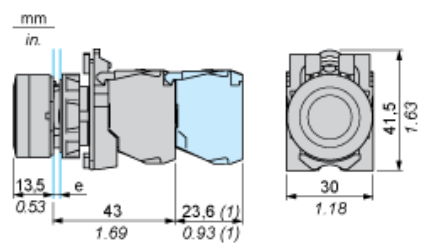
### Offer Sustainability

|                           |  |
|---------------------------|--|
| California proposition 65 | WARNING: This product can expose you to chemicals including:   |
| ----- Substance 1         | Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. |
| ----- More information    | For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>                                    |

### Contractual warranty

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

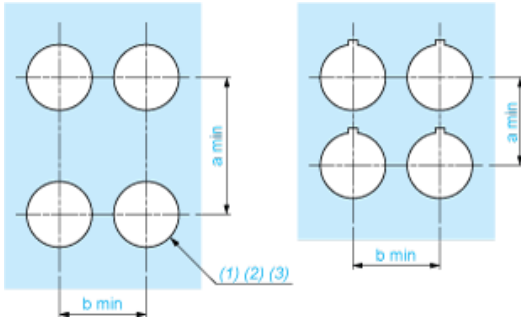
Dimensions



- 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)  $\varnothing 22.5$  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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