



Illuminated push button, Harmony XB5, plastic, red flush, 22mm, universal LED, plain lens, 1NO + 1NC, 24V AC/DC

XB5AW34B5

Main

| Mani | | | | | |
|---------------------------------|---|--|--|--|--|
| 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 | 22 mm | | | | |
| Sale per indivisible quantity | 1 | | | | |
| Shape of signaling unit head | Round | | | | |
| Type of operator | spring return | | | | |
| Operator profile | Red 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, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1 Screw clamp terminals, 1 x 0.222 x 2.5 mm² without cable end conforming to EN/IEC 60947-1 | | | | |
| Light source | Universal LED | | | | |
| Bulb base | Integral LED | | | | |
| [Us] rated supply voltage | 24 V AC/DC 50/60 Hz | | | | |
| Cap/Operator or lens colour | Red | | | | |

Complementary

| · · · · · · · · · · · · · · · · · · | | |
|-------------------------------------|---------------------------------------|--|
| Height | 42 mm | |
| Width | 30 mm | |
| Depth | 57 mm | |
| Terminals description ISO n°1 | (21-22)NC (13-14)NO | |
| Product weight | 0.056 kg | |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m | |
| Contacts usage | Standard contacts | |

| Positive opening | With conforming to EN/IEC 60947-5-1 appendix K | | | | |
|---|---|--|--|--|--|
| Operating travel | 1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel) | | | | |
| Operating force | 3.5 N NC changing electrical state 3.8 N | | | | |
| Mechanical durability | 10000000 cycles | | | | |
| Tightening torque | 0.81.2 N.m conforming to EN 60947-1 | | | | |
| Shape of screw head | Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted 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 | | | | |
| [Ith] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1 | | | | |
| [Ui] rated insulation voltage | 600 V (pollution degree 3) conforming to EN/IEC 60947-1 | | | | |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-1 | | | | |
| [le] rated operational current | 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 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 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 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 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 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 | Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4 | | | | |
| Signalling type | Steady | | | | |
| Supply voltage limits | 19.230 V DC 21.626.4 V AC | | | | |
| Current consumption | 18 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 | тн | | | | |
| Ambient air temperature for storage | -4070 °C | | | | |
| Ambient air temperature for operation | -4070 °C | | | | |
| Overvoltage category | Class II conforming to IEC 60536 | | | | |
| IP degree of protection | IP66 conforming to IEC 60529 IP69 IP69K IP67 | | | | |
| NEMA degree of protection | NEMA 13 NEMA 4X | | | | |
| IK degree of protection | IK05 conforming to IEC 50102 | | | | |

| Standards | UL 508 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-1 CSA C22.2 No 14 JIS C8201-5-1 JIS C8201-1 | | | | |
|---------------------------------------|---|--|--|--|--|
| Product certifications | LROS (Lloyds register of shipping) UL listed CSA BV GL DNV | | | | |
| Vibration resistance | 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6 | | | | |
| Shock resistance | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for 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 | 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 8 kV in free air (in insulating parts) conforming to IEC 61000-4-2 | | | | |
| Electromagnetic emission | Class B conforming to IEC 55011 | | | | |
| Packing Units | | | | | |
| Unit Type of Package 1 | PCE | | | | |
| Number of Units in Package 1 | 1 | | | | |
| Package 1 Height | 3.500 cm | | | | |
| Package 1 Width | 5.000 cm | | | | |
| Package 1 Length | 9.000 cm | | | | |
| Package 1 Weight | 55.300 g | | | | |
| Unit Type of Package 2 | S03 | | | | |
| Number of Units in Package 2 | 100 | | | | |
| Package 2 Height | 30.000 cm | | | | |
| Package 2 Width | 30.000 cm | | | | |
| Package 2 Length | 40.000 cm | | | | |
| Package 2 Weight | 5.927 kg | | | | |
| Unit Type of Package 3 | P06 | | | | |
| Number of Units in Package 3 | 800 | | | | |
| Package 3 Height | 75.000 cm | | | | |
| Package 3 Width | 80.000 cm | | | | |
| Package 3 Length | 60.000 cm | | | | |
| Package 3 Weight | 55.418 kg | | | | |
| Offer Sustainability | | | | | |
| Sustainable offer status | Green Premium product | | | | |
| REACh Regulation | REACh Declaration | | | | |
| REACh free of SVHC | Yes | | | | |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration | | | | |
| Mercury free | Yes | | | | |
| China RoHS Regulation | China RoHS declaration | | | | |

| RoHS exemption information | Yes | | |
|----------------------------|---|--|--|
| Environmental Disclosure | Product Environmental Profile | | |
| Circularity Profile | End of Life Information | | |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins | | |
| Contractual warranty | | | |
| | | | |

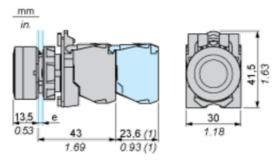
Warranty 18 months

Product datasheet

XB5AW34B5

Dimensions Drawings

Dimensions



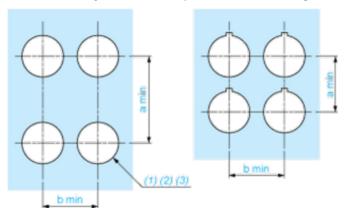
e: clamping thickness: 1 to 6 mm / 0.04 to 0.24 in.

(1) Additional row of contacts or double contact.

Mounting and Clearance

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

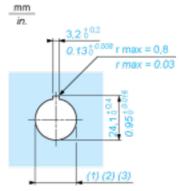
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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 (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 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 |

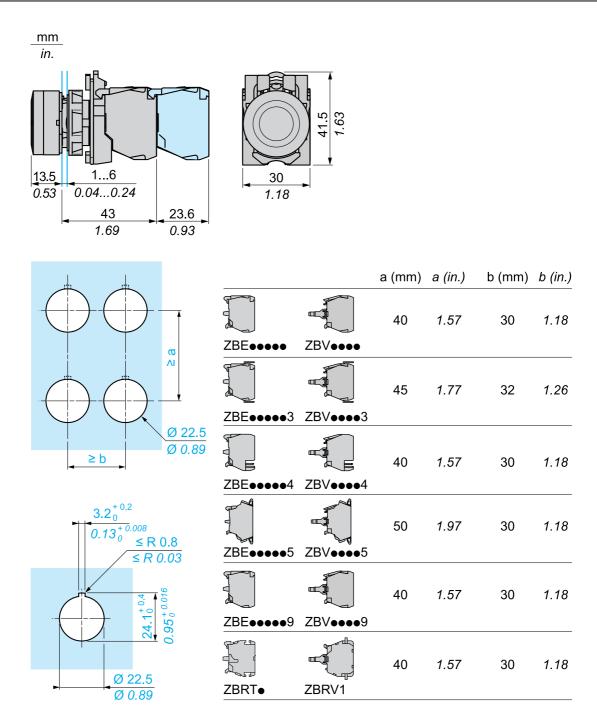
Detail of Lug Recess



- (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 (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0^{+0.016}$)

Technical Illustration

Dimensions



Recommended replacement(s)