

Product datasheet

Specifications



Illuminated pushbutton, Harmony XB5N XB7N, plastic, flush, red, 22mm, spring return, 230V AC, 1 NC

XB5AW34M2N

Main

| | |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product | Harmony XB5N/XB7N |
| Product or component type | Illuminated push-button |
| Device short name | XB5N |
| Bezel material | Dark grey plastic |
| Fixing collar material | Plastic |
| Mounting diameter | 22.5 mm |
| Sale per indivisible quantity | 20 |
| 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 NC |
| Contact operation | Slow-break |
| Connections - terminals | Screw clamp terminal, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1 Screw clamp terminal, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1 |
| Light source | LED |
| Bulb base | Integral LED |
| Light block supply | Direct |
| [Us] rated supply voltage | 220...240 V AC 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 |
| Product weight | 0.056 kg |
| Device mounting | Fixing hole - diameter: 22.5 mm 22.3 +0.4/0 conforming to IEC 60947-5-1 |
| Fixing mode | Fixing nut recommended torque: 2.2 N.m (+/- 0.2 N.m) |
| Marking | Unmarked |
| Contacts usage | Standard contacts |
| Positive opening | With conforming to IEC 60947-5-1 appendix K |

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|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 NO changing electrical state |
| Mechanical durability | 5000000 cycles |
| Tightening torque | 0.8...1.2 N.m conforming to IEC 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 IEC 60947-5-1 |
| [I_{th}] conventional free air thermal current | 10 A conforming to IEC 60947-5-1 |
| [U_i] rated insulation voltage | 600 V (pollution degree 3) conforming to IEC 60947-1 |
| [U_{imp}] rated impulse withstand voltage | 6 kV conforming to IEC 60947-1 |
| [I_e] rated operational current | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to 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 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 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 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 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 IEC 60947-5-1 appendix C |
| Electrical reliability | $\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4 |
| Signalling type | Steady |
| Supply voltage limits | 195...264 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 |
| Product compatibility | ZB5...N |
| Environment | |
| Protective treatment | TH |
| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -25...70 °C |
| Overvoltage category | Class II conforming to IEC 60536 |
| Standards | IEC 60947-5-4 IEC 60947-1 IEC 60947-5-1 IS 13947-5-1 |
| Product certifications | CE |

| | |
|----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Vibration resistance | 5 gn (f= 2...500 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 |
| IP degree of protection | IP65 |
| IK degree of protection | IK03 |

Packing Units

| | |
|-------------------------------------|-----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Height | 3.000 cm |
| Package 1 Width | 5.000 cm |
| Package 1 Length | 7.000 cm |
| Package 1 Weight | 38.000 g |
| Unit Type of Package 2 | S01 |
| Number of Units in Package 2 | 52 |
| Package 2 Height | 15.000 cm |
| Package 2 Width | 15.000 cm |
| Package 2 Length | 40.000 cm |
| Package 2 Weight | 2.212 kg |

Contractual warranty

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|-----------------------------|----|
| Warranty (in months) | 18 |
|-----------------------------|----|



Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



Environmental footprint

| | |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint | 4 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.4 kg CO2 eq. |
| Carbon footprint of the distribution phase [A4] | 0 kg CO2 eq. |
| Carbon footprint of the installation phase [A5] | 0 kg CO2 eq. |
| Carbon footprint of the use phase [B2, B3, B4, B6] | 3 kg CO2 eq. |
| Carbon footprint of the end-of-life phase [C1 to C4] | 0.1 kg CO2 eq. |
| Environmental Disclosure | Product Environmental Profile |

Use Better



Materials and Substances

| | |
|----------------------------------------|----------------------------------------------------------------------------------------|
| Packaging made with recycled cardboard | Yes |
| Packaging without single use plastic | No |
| EU RoHS Directive | Compliant By Exemption |
| REACH Regulation | Reference contains Substances of Very High Concern above the threshold |

Use Longer



Lifetime extension

| | |
|--------|----|
| Repair | No |
|--------|----|

Use Again

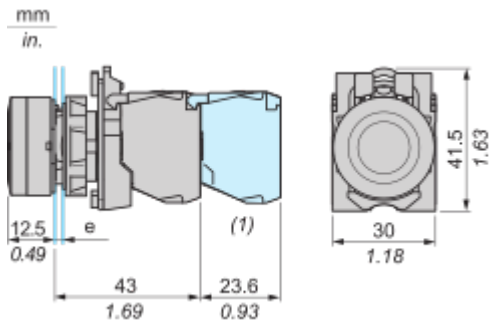


Repack and remanufacture

| | |
|---------------------------------|-----------------------------------------|
| End of life manual availability | End of Life Information |
| Take-back | No |

Dimensions Drawings

Dimensions

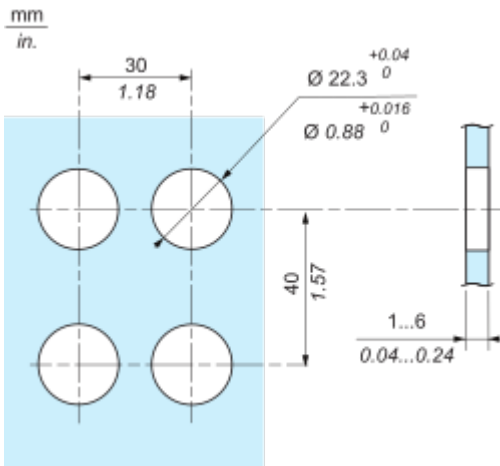


e: clamping thickness 1 to 6 mm (0.04 to 0.24 in.)

(1) Additional row of contacts or double contact

Mounting and Clearance

Panel cut-out (Connection by Screw clamp terminals)



Technical Illustration

Dimensions

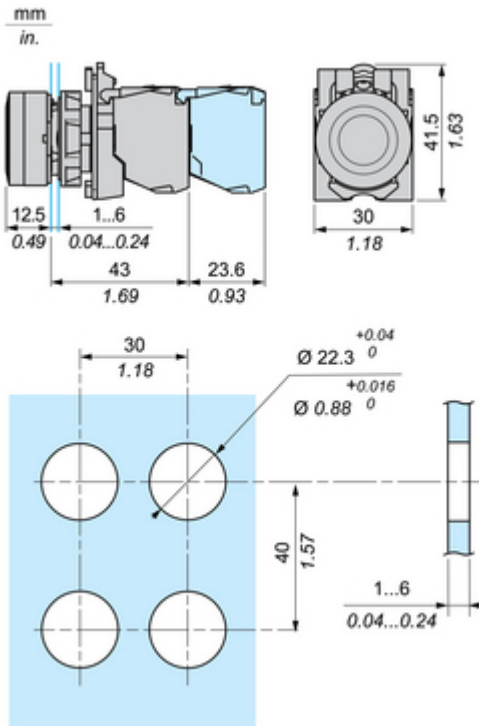


Image of product / Alternate images

Alternative





Image of product in real life situation

