

# Product data sheet

Specifications



Push button, Harmony XB5, plastic, flush, black, 22mm, spring return, unmarked, 1NO+1NC

XB5AA25

## 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             | 22.5 mm  |
| Sale per indivisible quantity | 1  |
| Shape of signaling unit head  | Round  |
| Type of operator              | spring return  |
| Operator profile              | Black flush, unmarked  |
| 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 IEC 60947-1<br>Screw clamp terminals, $1 \times 0.22 \dots 2 \times 2.5 \text{ mm}^2$ without cable end conforming to IEC 60947-1 |

## Complementary

|                                    |   |
|------------------------------------|---|
| Height                             | 42 mm   |
| Width                              | 30 mm   |
| Depth                              | 52 mm   |
| Terminals description ISO n°1      | (13-14)NO<br>(21-22)NC  |
| Resistance to high pressure washer | 7000000 Pa at 55 °C, distance : 0.1 m   |
| Contacts usage                     | Standard contacts   |
| Positive opening                   | With conforming to IEC 60947-5-1 appendix K   |
| Operating travel                   | 1.5 mm (NC changing electrical state)<br>2.6 mm (NO changing electrical state)<br>4.3 mm (total travel) |
| Operating force                    | 3.5 N NC changing electrical state<br>3.8 N NO changing electrical state                                |
| Mechanical durability              | 10000000 cycles   |
| Tightening torque                  | 0.8...1.2 N.m conforming to IEC 60947-1   |

|  |  |
|--|--|
| <b>Shape of screw head</b>                         | Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver  |
| <b>Contacts material</b>                           | Silver alloy (Ag/Ni)   |
| <b>Short-circuit protection</b>                    | 10 A cartridge fuse type gG conforming to IEC 60947-5-1  |
| <b>[Ith] conventional free air thermal current</b> | 10 A conforming to IEC 60947-5-1   |
| <b>[Ui] rated insulation voltage</b>               | 600 V (pollution degree 3) conforming to IEC 60947-1   |
| <b>[Uimp] rated impulse withstand voltage</b>      | 6 kV conforming to IEC 60947-1   |
| <b>[Ie] rated operational current</b>              | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1   |
| <b>Electrical durability</b>                       | 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<br>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<br>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<br>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<br>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 |
| <b>Electrical reliability</b>                      | $\Lambda < 10\text{exp}(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\text{exp}(-8)$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4  |
| <b>Device presentation</b>                         | Complete product   |
| <b>Customizable</b>                                | No   |
| <b>Customizable</b>                                | 1  |
| <b>GCR BRIDGE</b>                                  | XB5AACUST04  |
| <b>Compatibility code</b>                          | XB5  |

## Environment

|  |  |
|--|--|
| <b>Protective treatment</b>                  | TH   |
| <b>Ambient air temperature for storage</b>   | -40...70 °C  |
| <b>Ambient air temperature for operation</b> | -40...70 °C  |
| <b>Overvoltage category</b>                  | Class II conforming to IEC 60536   |
| <b>IP degree of protection</b>               | IP66 conforming to IEC 60529<br>IP67<br>IP69<br>IP69K  |
| <b>NEMA degree of protection</b>             | NEMA 13<br>NEMA 4X   |
| <b>IK degree of protection</b>               | IK03 conforming to IEC 50102   |
| <b>Standards</b>                             | UL 508<br>JIS C8201-5-1<br>IEC 60947-5-4<br>IEC 60947-5-1<br>IEC 60947-1<br>CSA C22.2 No 14<br>JIS C8201-1 |

|                               |  |
|-------------------------------|--|
| <b>Product certifications</b> | DNV<br>CSA<br>UL listed<br>LROS (Lloyds register of shipping)<br>BV  |
| <b>Vibration resistance</b>   | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6   |
| <b>Shock resistance</b>       | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

|                                     |           |
|-------------------------------------|-----------|
| <b>Unit Type of Package 1</b>       | PCE       |
| <b>Number of Units in Package 1</b> | 1         |
| <b>Package 1 Height</b>             | 3.200 cm  |
| <b>Package 1 Width</b>              | 5.400 cm  |
| <b>Package 1 Length</b>             | 8.200 cm  |
| <b>Package 1 Weight</b>             | 46.000 g  |
| <b>Unit Type of Package 2</b>       | S03       |
| <b>Number of Units in Package 2</b> | 100       |
| <b>Package 2 Height</b>             | 30.000 cm |
| <b>Package 2 Width</b>              | 30.000 cm |
| <b>Package 2 Length</b>             | 40.000 cm |
| <b>Package 2 Weight</b>             | 5.015 kg  |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| <b>Warranty</b> | 18 months |
|-----------------|-----------|



## 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 1

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation [REACH Declaration](#)

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 [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

End of life manual availability [End of Life Information](#)

Take-back No

WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Image of product / Alternate images

Alternative

---





