

# Product data sheet

## Characteristics

# XB4BL45

Push button, Harmony XB4, flush, metal, 22mm, spring return, 1NO + 1NC, unmarked



### Main

|                               |   |
|-------------------------------|---|
| Range of product              | Harmony XB4   |
| Product or component type     | Push-button   |
| Device short name             | XB4   |
| Bezel material                | Chromium plated metal   |
| Fixing collar material        | Zamak   |
| Mounting diameter             | 22 mm   |
| Sale per indivisible quantity | 1   |
| Shape of signaling unit head  | Round   |
| Type of operator              | Spring return   |
| Operator profile              | flush   |
| Head type                     | Standard  |
| Contact operation             | Slow-break  |
| Connections - terminals       | Screw clamp terminals, <= 2 x 1.5 mm <sup>2</sup> with cable end conforming to IEC 60947-1<br>Screw clamp terminals, 1 x 0.22...2 x 2.5 mm <sup>2</sup> without cable end conforming to IEC 60947-1 |

### Complementary

|  |  |
|--|--|
| Height   | 47 mm  |
| Width  | 30 mm  |
| Depth  | 52 mm  |
| Terminals description ISO n°1                            | (13-14)NO  |
| Net weight   | 0.08 kg  |
| Resistance to high pressure washer                       | 7000000 Pa at 55 °C, distance : 0.1 m  |
| Contacts usage   | Standard contacts  |
| Positive opening   | Without  |
| Operating travel   | 2.6 Mm (NO changing electrical state)<br>4.3 mm (total travel)   |
| Operating force  | 3.8 N NO changing electrical state   |
| Mechanical durability                                    | 10000000 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<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  |
| Contacts material  | Silver alloy (Ag/Ni)   |
| Short-circuit protection                                 | 10 A cartridge fuse type gG conforming to IEC 60947-5-1  |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A conforming to IEC 60947-5-1   |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V (pollution degree 3) conforming to IEC 60947-1   |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV conforming to IEC 60947-1   |
| [I <sub>e</sub> ] rated operational current              | 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 |

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|                        |  |
|------------------------|--|
| 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<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 |
| Electrical reliability | $\Delta < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Delta < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4  |
| Device presentation    | Complete product   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Protective treatment                  | TH   |
| Ambient air temperature for storage   | -40...70 °C  |
| Ambient air temperature for operation | -40...70 °C  |
| Overvoltage category                  | Class I conforming to IEC 60536  |
| IP degree of protection               | IP66 conforming to IEC 60529<br>IP67 conforming to IEC 60529<br>IP69 conforming to IEC 60529<br>IP69K conforming to IEC 60529  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X   |
| IK degree of protection               | IK06 conforming to IEC 50102   |
| Standards                             | IEC 60947-5-4<br>JIS C8201-5-1<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>IEC 60947-1<br>UL 508<br>IEC 60947-5-5<br>JIS C8201-1  |
| Product certifications                | UL listed<br>GL<br>LROS (Lloyds register of shipping)<br>CSA<br>DNV<br>BV  |
| 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<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Offer Sustainability

|                            |  |
|----------------------------|--|
| Sustainable offer status   | Green Premium product  |
| 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> |
| Toxic heavy metal free     | Yes  |
| Mercury free               | Yes  |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>   |
| RoHS exemption information |  Yes  |
| 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  |