

## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB4  |
| Product or component type     | Selector switch  |
| Device short name             | XB4  |
| Bezel material                | Chromium plated metal  |
| Fixing collar material        | Zamak  |
| Mounting diameter             | 22.5 mm  |
| Sale per indivisible quantity | 1  |
| Head type                     | Standard   |
| Shape of signaling unit head  | Round  |
| Type of operator              | Stay put   |
| Operator profile              | Key switch   |
| Operator position information | 2 positions 90°  |
| Contacts type and composition | 2 NO   |
| 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, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1 |

## Complementary

|   |  |
|---|--|
| Height                                      | 47 mm  |
| Width                                       | 30 mm  |
| Depth                                       | 86 mm  |
| Net weight                                  | 0.117 kg   |
| Resistance to high pressure washer          | 7000000 Pa at 55 °C, distance : 0.1 m  |
| Type of keylock                             | Key 3131A  |
| Key withdrawal position                     | Left-hand  |
| Contacts usage                              | Standard contacts  |
| Positive opening                            | Without  |
| Torque value                                | 0.14 N.m NO changing electrical state  |
| Mechanical durability                       | 1000000 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  |
| [Ith] conventional free air thermal current | 10 A conforming to IEC 60947-5-1   |
| [Ui] rated insulation voltage               | 600 V (pollution degree 3) conforming to IEC 60947-1   |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to IEC 60947-1   |
| [Ie] 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 |

|                        |   |
|------------------------|---|
| Electrical durability  | 1000000 Cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN 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 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 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 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 60947-5-1 appendix C |
| Electrical reliability | $\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 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>IP69<br>IP69K<br>IP67  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X   |
| Standards                             | IEC 60947-5-1<br>JIS C8201-5-1<br>CSA C22.2 No 14<br>IEC 60947-1<br>UL 508<br>IEC 60947-5-5<br>IEC 60947-5-4<br>JIS C8201-1  |
| Product certifications                | BV[RETURN]UL[RETURN]CSA[RETURN]DNV[RETURN]LRQS (Lloyds register of shipping)   |
| 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

|                            |   |
|----------------------------|---|
| REACH Regulation           |  <a href="#">REACH Declaration</a>       |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  |
| Mercury free               | Yes   |
| RoHS exemption information |  <a href="#">Yes</a>                     |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>  |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |