



## Main

|                                |  |
|--------------------------------|--|
| Range of product               | Harmony XB5  |
| Product or component type      | Joystick controller  |
| Device short name              | XD5  |
| Bezel material                 | Plastic  |
| Fixing collar material         | Plastic  |
| Mounting diameter              | 22 Mm  |
| Sale per indivisible quantity  | 1  |
| Shape of signaling unit head   | Round  |
| Type of operator               | To 0 position spring return  |
| Operator profile               | 54 mm long operating shaft   |
| Operator position information  | 3 positions  |
| Operator direction information | 2 directions   |
| Connections - terminals        | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1 |

## Complementary

|  |   |
|--|---|
| Height   | 47 Mm   |
| Width  | 30 Mm   |
| Depth  | 108 Mm  |
| Resistance to high pressure washer                       | 7000000 Pa at 55 °C, distance : 0.1 m   |
| Notch per direction                                      | 1   |
| Contacts type and composition                            | 1 NO  |
| Contact operation  | Slow-break  |
| Contacts usage   | Standard  |
| Positive opening   | Without   |
| Mechanical durability                                    | 1000000 Cycles  |
| Device presentation                                      | Complete product  |
| Tightening torque  | 0.8...1.2 N.M conforming to EN 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 EN/IEC 60947-5-1  |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1   |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V (pollution degree 3) conforming to EN 60947-1   |

|  |   |
|--|---|
| [Uimp] rated impulse withstand voltage | 6 KV conforming to EN 60947-1   |
| [Ie] rated operational current         | 0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 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<br>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<br>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<br>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<br>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                 | $\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Protective treatment                  | TH   |
| Ambient air temperature for storage   | -40...70 °C  |
| Ambient air temperature for operation | -25...70 °C  |
| Electrical shock protection class     | Class II conforming to IEC 60536   |
| IP degree of protection               | IP66 conforming to IEC 60529   |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X   |
| IK degree of protection               | IK03 conforming to IEC 50102   |
| Standards                             | EN/IEC 60947-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>JIS C8201-5-1<br>EN/IEC 60947-5-4<br>UL 508<br>JIS C8201-1  |
| Product certifications                | DNV<br>CSA<br>LROS (Lloyds register of shipping)<br>BV<br>GL<br>UL listed  |
| 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 |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Weight             | 64.0 G   |
| Package 1 Height             | 12.8 Cm  |
| Package 1 width              | 4.4 Cm   |
| Package 1 Length             | 5.3 Cm   |
| Unit Type of Package 2       | S02      |
| Number of Units in Package 2 | 40       |
| Package 2 Weight             | 2.907 Kg |
| Package 2 Height             | 15 Cm    |
| Package 2 width              | 30 Cm    |
| Package 2 Length             | 40 Cm    |

## 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   |
| RoHS exemption information | <a href="#">Yes</a>   |
| China RoHS Regulation      | <a href="#">China RoHS Declaration</a>  |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Product Life Status : **Commercialised**