



Main

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| Range of product | Harmony XB5 |
| Product or component type | Complete joystick controller |
| Device short name | XD2 |
| Mounting diameter | 0.87 in (22 mm) |
| Bezel material | Chromium plated metal |

Complementary

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| [Ie] rated operational current | 3 Aat 240 V AC-15, A300 0.27 A at 250 V DC-13, Q300 conforming to EN/IEC 60947-5-1 |
| [Ui] rated insulation voltage | 600 V (degree of pollution: 3) conforming to UL 508 600 V (degree of pollution: 3) conforming to CSA C22.2 No 14 500 V (degree of pollution: 3) conforming to EN/IEC 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV conforming to EN/IEC 60947-1 |
| Operator position information | All positions |
| Notch per direction | 2 |
| Operator direction information | 4 directions |
| Contacts type and composition | 2 NO slow-break |
| Short-circuit protection | 10 A gG (gl) Neozed cartridge fuse conforming to EN/IEC 60947-5-1 |
| Connections - terminals | Captive screw clamp terminals - 1 x 0.5 mm ² Captive screw clamp terminals - 2 x 1.5 mm ² with or without cable end 6.3 mm Faston connectors |
| Electrical durability | 1000000 cycles at 230 V AC-15, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles at 127 V AC-15, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles at 24...48 V AC-15, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles at 24 V DC-13, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles at 48 V DC-13, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles at 120 V DC-13, operating rate: 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |
| Electrical reliability | $\Lambda < 10\text{exp}(-6)$ at 24 V |
| Contact code designation | A600-Q600 |
| Overvoltage category | Class I conforming to IEC 61140 |
| Mechanical durability | 1000000 cycles |
| Fixing center | 90 x 90 mm |
| Return | To 0 position |
| Height | 5.71 in (145 mm) |
| Depth | 3.54 in (90 mm) |
| Product weight | 1.21 lb(US) (0.55 kg) |

Environment

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|-------------------------------------|---|
| standards | EN/IEC 60947-5-1 |
| product certifications | CSA LROS (Lloyds register of shipping) |
| protective treatment | TC |
| ambient air temperature for storage | -40...158 °F (-40...70 °C) |

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| ambient air temperature for operation | -13...158 °F (-25...70 °C) |
| vibration resistance | 5 gn (f = 40...500 Hz) conforming to IEC 60068-2-6 |
| shock resistance | 20 gn conforming to IEC 60068-2-27 |
| IP degree of protection | IP66 conforming to IEC 60529 |

Contractual warranty

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| Warranty period | 18 months |
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