



### Main

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

### Complementary

|  |  |
|--|--|
| [Ie] rated operational current         | 3 A at 240 V AC-15, A300<br>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<br>600 V (degree of pollution: 3) conforming to CSA C22.2 No 14<br>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                    | 1  |
| Operator direction information         | 4 directions   |
| Contacts type and composition          | 1 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 <sup>2</sup><br>Captive screw clamp terminals - 2 x 1.5 mm <sup>2</sup> with or without cable end<br>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<br>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<br>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<br>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<br>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<br>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                                 | 145 mm   |
| Depth                                  | 90 mm  |
| Product weight                         | 0.33 kg  |

### Environment

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

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|                                       |  |
|---------------------------------------|--|
| ambient air temperature for operation | -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                       |

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