# *Product datasheet*
## *Characteristics*

# XD2GA8221



## Main

| | |
|---|---|
| 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

| | |
|---|---|
| [Ie] rated operational current | 3 Aat 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 60947-5-1 |
| [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 | 2 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 mm²<br>Captive screw clamp terminals - 2 x 1.5 mm² 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 | Λ < 10exp(-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 | 2.36 in (60 mm) |
| Product weight | 0.66 lb(US) (0.3 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...158 °F (-40...70 °C) |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein.
This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof.
Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|---|---|
| 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

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