



### 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 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 <sup>2</sup> Captive screw clamp terminals - 2 x 1.5 mm <sup>2</sup> 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

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

### Offer Sustainability

WARNING: This product can expose you to chemicals including:	WARNING: This product can expose you to chemicals including:
Nickel compounds, which is known to the State of California to cause cancer, and	Nickel compounds, which is known to the State of California to cause cancer, and
Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm.	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>	For more information go to <a href="http://www.p65warnings.ca.gov">www.p65warnings.ca.gov</a>

### Contractual warranty

Warranty period	18 months
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