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Product data sheet
Characteristics

XD2GA8231
joystick controller Ø22 2-directions 2NO per direction



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	0.27 A at 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 3 A at 240 V, AC-15, A300
[Ui] rated insulation voltage	500 V (pollution degree 3) conforming to EN/IEC 60947-1 600 V (pollution degree 3) conforming to UL 508 600 V (pollution degree 3) conforming to CSA C22.2 No 14
[Uimp] rated impulse withstand voltage	EN/IEC 60947-1 6 kV
Operator position information	All positions
Notch per direction	2
Operator direction information	2 directions
Contacts type and composition	2 NO for 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 Captive screw clamp terminals, 2 x 1.5 mm² with or without cable end Faston connectors, connection size: 6.3 mm
Electrical durability	1000000 Cycles, AC-15 at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 Cycles, AC-15 at 127 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 Cycles, AC-15 at 24...48 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 Cycles, DC-13 at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 Cycles, DC-13 at 48 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13 at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
Electrical reliability	Λ < 10exp(-6)
Contact code designation	A600-Q600
Overvoltage category	Class I conforming to IEC 61140
Mechanical durability	1000000 cycles
Fixing center	90 x 90 mm
Return	without
Height	145 mm
Depth	60 mm
Net weight	0.5 kg

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Environment

Standards	EN/IEC 60947-5-1
Product certifications	CSA LROS (Lloyds register of shipping)
Protective treatment	TC
Ambient air temperature for storage	-40…70 °C
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

Offer Sustainability

Sustainable offer status	Green Premium product
REACh Regulation	REACh Declaration
REACh free of SVHC	Yes
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration
Mercury free	Yes
RoHS exemption information	Yes
China RoHS Regulation	China RoHS Declaration
Environmental Disclosure	Product Environmental Profile
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins