Product data sheet
Characteristics

XD2PA24CR
Joystick controller, Harmony XB2, plastic, 22mm, 4 directions, center spring return, 4NO



Main

Range of product	Harmony XB2
Product or component type	Complete joystick controller
Device short name	XD2
Mounting diameter	22.5 Mm
Bezel material	Chromium plated metal
Sale per indivisible quantity	1
Device presentation	Complete product

Complementary

[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1
[Uimp] rated impulse withstand voltage	6 KV conforming to IEC 60947-1
Operator position information	All positions
Operator direction information	4 directions
Contacts type and composition	4 NO for slow-break
Contacts usage	Standard contacts
Short-circuit protection	10 A gG (gl) gL fuse conforming to IEC 60947-5-1
Connections - terminals	Screw clamp terminal, <= 2 x 1.5 mm² with and without cable ends Screw clamp terminal, <= 1 x 2.5 mm² with and without cable ends Screw clamp terminal, >= 1 x 0.5 mm² with and without cable ends Faston terminals, connection size: 6.3 mm
Shape of screw head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver
Electrical durability	1000000 Cycles, AC-15, 3 A at 240 V, operating rate <3600 cyc/h, load factor: 0.5 conforming t 1000000 Cycles, DC-13, 0.27 A at 250 V, operating rate <3600 cyc/h, load factor: 0.5 conformi
Electrical reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4
Contact code designation	A600-Q600
Overvoltage category	Class I conforming to IEC 60536
Mechanical durability	1000000 Cycles
Fixing center	85 x 85 mm
Return	Spring return
Height	30 Mm
Width	40 Mm
Depth	147.5 Mm
Net weight	0.145 Kg
[Ie] rated operational current	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1
Contacts type and composition	4 NO

Contacts material	Silver alloy (Ag/Ni)
Contact operation	Slow-break
Fixing collar material	Zamak
Shape of signaling unit head	Round
Terminals description ISO n°1	(13-14)NO (23-24)NO (33-34)NO (43-44)NO
Fixing mode	Fixing screw beneath head recommended torque: 0.8 N.m Fixing screw beneath head recommended torque: 1.0 N.m
Tightening torque	0.8…1.0 N.M
Device mounting	Fixing hole - diameter: 22.5 mm
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1
Customizable	No
Type of operator	Spring return

Environment

Standards	GB/T 14048.5 IEC 60947-5-1 IEC 60947-5-4 GB/T 14048.1 IEC 60947-1
Product certifications	CCC[RETURN]CE
Protective treatment	TC/TH
Ambient air temperature for storage	-40…70 °C
Ambient air temperature for operation	-25…70 °C
Vibration resistance	5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27
IP degree of protection	IP65
IK degree of protection	IK06

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.378 Cm
Package 1 Width	4.262 Cm
Package 1 Length	14.738 Cm
Package 1 Weight	151 G
Unit Type of Package 2	S02
Number of Units in Package 2	54
Package 2 Height	15 Cm
Package 2 Width	30 Cm
Package 2 Length	40 Cm
Package 2 Weight	8.971 Kg
Unit Type of Package 3	PAL
Number of Units in Package 3	1080
Package 3 Height	60 Cm
Package 3 Width	80 Cm
Package 3 Length	90 Cm
Package 3 Weight	175.42 Kg

Offer Sustainability

Recyclability potential, in %	24
Total lifecycle Carbon footprint	1 kg CO2 eq.
Carbon footprint of the manufacturing phase [A1 to A3]	0.9448135652173912
Carbon footprint of the manufacturing phase [A1 to A3]	0.9 kg CO2 eq.
Carbon footprint of the distribution phase [A4]	0.0527292

Carbon footprint of the distribution phase [A4]	0.1 kg CO2 eq.
Carbon footprint of the installation phase [A5]	0.013303756521739131
Carbon footprint of the installation phase [A5]	0 kg CO2 eq.
Carbon footprint of the use phase [B2, B3, B4, B6]	0.16516999999999998
REACh free of SVHC	Yes
Carbon footprint of the use phase [B2, B3, B4, B6]	0.2 kg CO2 eq.
Mercury free	Yes
Sustainable packaging	No
Carbon footprint of the end-of-life phase [C1 to C4]	0.09441045217391303
Carbon footprint of the end-of-life phase [C1 to C4]	0.1 kg CO2 eq.
Environmental Disclosure	Product Environmental Profile
Total lifecycle Carbon footprint	1
Packaging made with recycled cardboard	No
Packaging without single use plastic	No
REACh Regulation	Free of Substances of Very High Concern above the threshold
EU RoHS Directive	Compliant
California proposition 65	WARNING: This product can expose you to chemicals including: Nickel compounds, which is k
End of life manual availability	No need of specific recycling operations
Take-back	No
WEEE Label	The product must be disposed on European Union markets following specific waste collection a

Contractual warranty

Warranty (in months)	18

Product Life Status : Commercialised