

# Product data sheet

Specifications



## contact block with body/fixing collar for 2-direction joystick controller

ZD5PA103

### Main

Range of product	Harmony XB5
Product or component type	Complete body/contact assembly for joystick controller
Device short name	ZD5
Fixing collar material	Plastic
Sale per indivisible quantity	1
Contacts type and composition	2 NO
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1

### Complementary

CAD overall width	30 mm
CAD overall height	47 mm
CAD overall depth	32 mm
Net weight	0.049 kg
Contacts usage	Standard
Positive opening	Without
Mechanical durability	1000000 cycles
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat $\varnothing 4 \text{ mm}$ screwdriver Slotted compatible with flat $\varnothing 5.5 \text{ mm}$ screwdriver
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1
[I <sub>th</sub> ] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[U <sub>i</sub> ] rated insulation voltage	600 V (pollution degree 3) conforming to EN 60947-1
[U <sub>imp</sub> ] rated impulse withstand voltage	6 kV conforming to EN 60947-1
[I <sub>e</sub> ] rated operational current	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1

1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1

<b>Electrical durability</b>	1000000 cycles, AC-15, 2 A 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, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 4 A 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, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C
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<b>Electrical reliability</b>	$\Lambda < 10\text{exp}(-6)$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4
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<b>Device presentation</b>	Basic element
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## Environment

<b>Ambient air temperature for storage</b>	-40...70 °C
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<b>Ambient air temperature for operation</b>	-25...70 °C
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<b>Electrical shock protection class</b>	Class II conforming to IEC 60536
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<b>Standards</b>	EN/IEC 60947-1 CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-5-4 JIS C8201-5-1 UL 508 JIS C8201-1
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<b>Product certifications</b>	CSA UL listed LROS (Lloyds register of shipping) BV DNV GL
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<b>Vibration resistance</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
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<b>Shock resistance</b>	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
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## Packing Units

<b>Package 1 Weight</b>	0.017 kg
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<b>Package 1 Height</b>	0.880 dm
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<b>Package 1 width</b>	0.340 dm
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<b>Package 1 Length</b>	0.540 dm
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## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
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<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
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<b>REACH free of SVHC</b>	Yes
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<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
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<b>Toxic heavy metal free</b>	Yes
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<b>Mercury free</b>	Yes
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<b>RoHS exemption information</b>	<a href="#">Yes</a>
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<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
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<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
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<b>WEEE</b>	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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**California proposition 65**

WARNING: This product can expose you to chemicals including: 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 [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

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**Contractual warranty**

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<b>Warranty</b>	18 months
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