



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	4 NO
Contacts 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

Shape of screw head	Cross head compatible with pozidriv No 1 screwdriver Cross head compatible with Philips no 1 screwdriver Slotted head compatible with flat $\varnothing 4 \text{ mm}$ screwdriver Slotted head 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
[Ith] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1
[Ui] rated insulation voltage	600 V (degree of pollution: 3) conforming to EN 60947-1
[Uimp] rated impulse withstand voltage	6 kV conforming to EN 60947-1
[Ie] rated operational current	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 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
Electrical durability	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 , 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 , 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 , 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 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
Electrical reliability IEC 60947-5-4	$\Lambda < 10\text{exp}(-6)$ at 5 V , 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V , 5 mA in clean environment conforming to EN/IEC 60947-5-4
Contacts usage	Standard
Positive opening	Without positive opening
Mechanical durability	1000000 cycles
Tightening torque	0.8...1.2 N.m conforming to EN 60947-1

Environment

Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-25...70 °C
Class of protection against electric shock	Class II conforming to IEC 60536

Standards	CSA C22-2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 JIS C 4520 UL 508
Product certifications	BV CSA DNV (Det Norske Veritas) GL LROS (Lloyds register of shipping) RINA UL listed
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27 50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27
RoHS EUR conformity date	0727
RoHS EUR status	Compliant