

Product data sheet

Specifications



Single contact block, Harmony XALD, XALK, silver alloy, rear mounting, screw clamp terminal, 1NO

ZENL1111

Main

Range of product Harmony XAL
Harmony XAPS

Product or component type Contact block

Device short name ZENL

Product destination For XB5 Ø 22 mm control and signalling units
For XAPS control station

Mounting of block Rear mounting

Sale per indivisible quantity 5

Contacts type and composition 1 NO

Complementary

Assembly style For customer assembly

Net weight 0.015 kg

Contact operation Slow-break

Positive opening Without

Operating travel 2.6 mm (NO changing electrical state)
4.3 mm (total travel)

Operating force 2.3 N NO changing electrical state

Operating torque 0.05 N.m NO changing electrical state

Mechanical durability 10000000 cycles

Connections - terminals Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN/IEC 60947-1
Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to EN/IEC 60947-1

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 Ø 4 mm screwdriver
Slotted compatible with flat Ø 5.5 mm screwdriver

Contacts material Silver alloy (Ag/Ni)

Maximum resistance across terminals 25 MΩ

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 (pollution degree 3) conforming to EN/IEC 60947-1

[Ui_{imp}] rated impulse withstand voltage	6 kV conforming to EN/IEC 60947-1
[Ie] 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
Electrical durability	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
Electrical reliability	$\Lambda < 10^6$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10^8$ at 17 V and 5 mA conforming to EN/IEC 60947-5-4
Additional information	Mounting on integrated plate in the box
Electrical composition code	SR1 (quantity ≤ 3) SR2 (quantity ≤ 2) MR1 (quantity ≤ 2)

Environment

Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-40...70 °C
IP degree of protection	IP20 conforming to IEC 60529
Standards	EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-1 UL 508 EN/IEC 60947-5-5 JIS C8201-5-1 EN/IEC 60947-5-4 JIS C8201-1
Vibration resistance	5 gn (f = 12...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

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	1 cm
Package 1 Width	3 cm
Package 1 Length	3.2 cm
Package 1 Weight	9 g
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	4.5 cm
Package 2 Width	5.5 cm
Package 2 Length	6 cm
Package 2 Weight	52.5 g
Unit Type of Package 3	BB2

Number of Units in Package 3	25
Package 3 Height	5.9 cm
Package 3 Width	4.7 cm
Package 3 Length	26.5 cm
Package 3 Weight	262 g

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
Toxic heavy metal free	Yes
Mercury free	Yes
China RoHS Regulation	China RoHS declaration
RoHS exemption information	Yes
Environmental Disclosure	Product Environmental Profile
Circularity Profile	End of Life Information
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins
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

Contractual warranty

Warranty	18 months
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Recommended replacement(s)