

Product data sheet

Specifications



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

ZENL1111

Main

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|-------------------------------|--|
| 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

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|---|---|
| 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 MOhm |
| 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 |

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| [Uimp] 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 | $\Lambda < 10\text{exp}(-6)$ 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 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

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| 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

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| 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 |

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| 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

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|----------------------------|---|
| 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

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| Warranty | 18 months |
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Recommended replacement(s)