

# Product data sheet

Specifications



Single contact block, Harmony XALD, XALK, silver alloy, rear mounting, screw clamp terminal, 1NC

ZENL1121

## Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XAPS<br>Harmony XAL  |
| Product or component type     | Contact block  |
| Device short name             | ZENL   |
| Product destination           | For XAPS control station<br>For XB5 Ø 22 mm control and signalling units |
| Mounting of block             | Rear mounting  |
| Sale per indivisible quantity | 5  |
| Contacts type and composition | 1 NC   |

## Complementary

|  |  |
|--|--|
| Assembly style   | For customer assembly  |
| Net weight   | 0.015 kg   |
| Contact operation  | Slow-break   |
| Positive opening   | With conforming to EN/IEC 60947-5-1 appendix K   |
| Operating travel   | 1.5 mm (NC changing electrical state)<br>4.3 mm (total travel)   |
| Operating force  | 2 N NC changing electrical state   |
| Mechanical durability                                    | 10000000 cycles  |
| Connections - terminals                                  | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN/IEC 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ 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<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>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   |
| [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/IEC 60947-1  |

|   |   |
|---|---|
| <b>[Uimp] rated impulse withstand voltage</b> | 6 kV conforming to EN/IEC 60947-1   |
| <b>[Ie] rated operational current</b>         | 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>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<br>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<br>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<br>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<br>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 |
| <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<br>$\Lambda < 10\text{exp}(-8)$ at 17 V and 5 mA conforming to EN/IEC 60947-5-4  |
| <b>Additional information</b>                 | Mounting on integrated plate in the box   |
| <b>Electrical composition code</b>            | SR1 (quantity <= 3)<br>SR2 (quantity <= 2)<br>MR1 (quantity <= 2)   |

## Environment

|  |  |
|--|--|
| <b>Protective treatment</b>                  | TH   |
| <b>Ambient air temperature for storage</b>   | -40...70 °C  |
| <b>Ambient air temperature for operation</b> | -40...70 °C  |
| <b>IP degree of protection</b>               | IP20 conforming to IEC 60529   |
| <b>Standards</b>                             | EN/IEC 60947-5-5<br>EN/IEC 60947-5-4<br>UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-1<br>JIS C8201-1  |
| <b>Vibration resistance</b>                  | 5 gn (f= 12...500 Hz) conforming to IEC 60068-2-6  |
| <b>Shock resistance</b>                      | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

|                                     |          |
|-------------------------------------|----------|
| <b>Unit Type of Package 1</b>       | PCE      |
| <b>Number of Units in Package 1</b> | 1        |
| <b>Package 1 Height</b>             | 5.600 cm |
| <b>Package 1 Width</b>              | 4.400 cm |
| <b>Package 1 Length</b>             | 5.400 cm |
| <b>Package 1 Weight</b>             | 9.000 g  |
| <b>Unit Type of Package 2</b>       | BB1      |
| <b>Number of Units in Package 2</b> | 5        |
| <b>Package 2 Height</b>             | 5.600 cm |
| <b>Package 2 Width</b>              | 4.400 cm |
| <b>Package 2 Length</b>             | 5.400 cm |
| <b>Package 2 Weight</b>             | 52.000 g |
| <b>Unit Type of Package 3</b>       | S03      |

|                              |           |
|------------------------------|-----------|
| Number of Units in Package 3 | 800       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 8.992 kg  |

## Offer Sustainability

|                            |   |
|----------------------------|---|
| Sustainable offer status   | Green Premium product   |
| REACH Regulation           | <a href="#">REACH Declaration</a>   |
| REACH free of SVHC         | Yes   |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>   |
| Toxic heavy metal free     | Yes   |
| Mercury free               | Yes   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a>  |
| RoHS exemption information | <a href="#">Yes</a>   |
| Environmental Disclosure   | <a href="#">Product Environmental Profile</a>   |
| Circularity Profile        | <a href="#">End of Life Information</a>   |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Recommended replacement(s)