# Product datasheet

Specifications

Green Premium™

## single contact block for head Ø22 1NO screw clamp terminal

ZENL1111

## Main

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|---|---|
| **Range Of Product** | Harmony XAL<br>Harmony XAPS |
| **Product Or Component Type** | Contact block |
| **Device Short Name** | ZENL |
| **Product Destination** | For XB5 Ø 22 mm control and signalling units<br>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)<br>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 IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1 |
| **Tightening Torque** | 0.8…1.2 N.m conforming to IEC 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 IEC 60947-5-1 |
| **[Ith] Conventional Free Air Thermal Current** | 10 A conforming to IEC 60947-5-1 |
| **[Ui] Rated Insulation Voltage** | 600 V (pollution degree 3) conforming to IEC 60947-1 |
| **[Uimp] Rated Impulse Withstand Voltage** | 6 kV conforming to IEC 60947-1 |

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

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|---|---|
| **[Ie] Rated Operational Current** | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to 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 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 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 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 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 IEC 60947-5-1 appendix C |
| **Electrical Reliability** | Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>Λ < 10exp(-8) at 17 V and 5 mA conforming to IEC 60947-5-4 |
| **Additional Information** | Mounting on integrated plate in the box |
| **Electrical Composition Code** | SR1 (quantity <= 3)<br>SR2 (quantity <= 2)<br>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** | IEC 60947-5-1<br>CSA C22.2 No 14<br>IEC 60947-1<br>UL 508<br>IEC 60947-5-5<br>JIS C8201-5-1<br>IEC 60947-5-4<br>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<br>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** | 1.000 cm |
| **Package 1 Width** | 3.000 cm |
| **Package 1 Length** | 3.500 cm |
| **Package 1 Weight** | 9.000 g |
| **Unit Type Of Package 2** | BB1 |
| **Number Of Units In Package 2** | 5 |
| **Package 2 Height** | 4.500 cm |
| **Package 2 Width** | 5.500 cm |
| **Package 2 Length** | 6.000 cm |

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|---|---|
| **Package 2 Weight** | 53.000 g |
| **Unit Type Of Package 3** | 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** | 8.813 kg |

## Contractual warranty

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| **Warranty** | 12 months |

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-$CO_2$ products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >

Transparency RoHS/REACh

## Well-being performance

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| Reach Free Of Svhc | |
| Toxic Heavy Metal Free | |
| Mercury Free | |
| Rohs Exemption Information | Yes |

## Certifications & Standards

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| **Reach Regulation** | REACh Declaration |
| **Eu Rohs Directive** | Pro-active compliance (Product out of EU RoHS legal scope)<br>EU RoHS Declaration |
| **China Rohs Regulation** | China RoHS declaration |
| **Environmental Disclosure** | Product Environmental Profile |
| **Weee** | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| **Circularity Profile** | End of Life Information |