



## Main

|                               |  |
|-------------------------------|--|
| 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             | Mounting on a plate in back of enclosure                                 |
| Sale per indivisible quantity | 5  |
| Contacts type and composition | 1 NO   |

## Complementary

|  |   |
|--|---|
| Assembly style   | For customer assembly   |
| Product weight   | 0.015 kg  |
| Contacts 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)   |
| 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, Philips no 1<br>Cross, pozidriv No 1<br>Slotted, flat Ø 4 mm<br>Slotted, flat Ø 5.5 mm   |
| Contacts material  | Silver alloy (Ag/Ni)  |
| Resistance across terminals                              | $\leq 25 \text{ m}\Omega$   |
| Short circuit protection                                 | 10 A cartridge fuse, 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, degree of pollution: 3 conforming to EN/IEC 60947-1  |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV conforming to EN/IEC 60947-1   |
| [I <sub>e</sub> ] rated operational current              | 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  |
| Electrical durability                                    | 1000000 cycles AC-15 at 2 A 230 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles AC-15 at 3 A 120 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles AC-15 at 4 A 24 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles DC-13 at 0.2 A 110 V at 3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles DC-13 at 0.5 A 24 V at 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 and 1 mA 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   |

## Environment

|                                       |  |
|---------------------------------------|--|
| Protective treatment                  | TH   |
| Ambient air temperature for storage   | -40...70 °C  |
| Ambient air temperature for operation | -25...70 °C  |
| IP degree of protection               | IP20 conforming to IEC 60529   |
| Standards                             | CSA C22-2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508                            |
| Vibration resistance                  | 5 gn (f = 12...500 Hz) conforming to IEC 60068-2-6   |
| Shock resistance                      | 30 gn (18 ms half sine wave acceleration) conforming to IEC 60068-2-27<br>50 gn (11 ms half sine wave acceleration) conforming to IEC 60068-2-27 |