

## ZB4BZ103

single contact block with body/fixing collar 2NO  
screw clamp terminal



### Main

|                               |  |
|-------------------------------|--|
| Range of product              | Harmony XB4  |
| Product or component type     | Complete body/contact assembly   |
| Device short name             | ZB4  |
| Fixing collar material        | Zamak  |
| Sale per indivisible quantity | 1  |
| Contacts type and composition | 2 NO   |
| Contact operation             | Slow-break   |
| Contact block type            | Single   |
| Device composition            | Body<br>Fixing collar  |
| Connections - terminals       | Screw clamp terminals : $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1<br>Screw clamp terminals : $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1 |

### Complementary

|   |  |
|---|--|
| CAD overall width                           | 30 mm  |
| CAD overall height                          | 47 mm  |
| CAD overall depth                           | 37 mm  |
| Terminals description ISO n°1               | (13-14)NO  |
| Product weight                              | 0.062 kg   |
| Contacts usage                              | Standard contacts  |
| Positive opening                            | Without positive opening   |
| Operating travel                            | 2.6 mm (NO changing electrical state)<br>4.3 mm (total travel)   |
| Operating torque                            | 0.05 N.m (NO changing electrical state)  |
| Mechanical durability                       | 5000000 cycles   |
| Tightening torque                           | 0.8..1.2 N.m conforming to EN 60947-1  |
| Shape of screw head                         | Cross head compatible with Philips no 1 screwdriver<br>Cross head compatible with pozidriv No 1 screwdriver<br>Slotted head compatible with flat $\varnothing$ 4 mm screwdriver<br>Slotted head compatible with flat $\varnothing$ 5.5 mm screwdriver  |
| Contacts material                           | Silver alloy (Ag/Ni)   |
| 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 (degree of pollution: 3) conforming to EN 60947-1  |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to EN 60947-1  |
| [Ie] 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                       | 10000000 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>10000000 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>10000000 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>10000000 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>10000000 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, 1 mA in clean environment conforming to EN/IEC 60947-5-4  |

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## 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 60947-1<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<br>CSA C22.2 No 14  |
| product certifications                | BV<br>CSA<br>DNV<br>GL<br>LROS (Lloyds register of shipping)<br>RINA<br>UL   |
| vibration resistance                  | 5 gn (f = 2...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 |

## Contractual warranty

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