



Main

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| Range of product | Harmony XB4 Harmony XB5 |
| Product or component type | Contact block |
| Device short name | ZBE |
| Sale per indivisible quantity | 5 |
| IP degree of protection | IP20 IEC 60529 |
| Contacts type and composition | 1 NO + 1 NC |
| Contacts operation | Slow-break |
| Contact block type | Double |
| Contacts usage | Standard contacts |
| Connections - terminals | Screw clamp terminals $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1 Screw clamp terminals $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1 |

Complementary

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| Product weight | 0.02 kg |
| Positive opening | With EN/IEC 60947-5-1 appendix K |
| Operating travel | 1.5 mm NC changing electrical state 2.6 mm NO changing electrical state 4.3 mm total travel |
| Operating force | 4.6 N NC + NO changing electrical state |
| Mechanical durability | 5000000 cycles |
| Tightening torque | 0.8...1.2 N.m EN 60947-1 |
| Shape of screw head | Cross Philips no 1 Cross pozidriv No 1 Slotted flat Ø 4 mm Slotted flat Ø 5.5 mm |
| Contacts material | Silver alloy (Ag/Ni) |
| Short circuit protection | 10 A cartridge fuse gG EN/IEC 60947-5-1 |
| [I _{th}] conventional free air thermal current | 10 A EN/IEC 60947-5-1 |

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| [Ui] rated insulation voltage | 600 V 3 EN 60947-1 |
| [Uimp] rated impulse withstand voltage | 6 kV EN 60947-1 |
| [Ie] rated operational current | 1.2 A 600 V AC-15 A600 EN/IEC 60947-5-1 0.27 A 250 V DC-13 Q600 EN/IEC 60947-5-1 0.1 A 600 V DC-13 Q600 EN/IEC 60947-5-1 3 A 240 V AC-15 A600 EN/IEC 60947-5-1 0.55 A 125 V DC-13 Q600 EN/IEC 60947-5-1 6 A 120 V AC-15 A600 EN/IEC 60947-5-1 |
| Electrical durability | 1000000 cycles AC-15 1 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 1.5 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 3 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 0.15 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 0.4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C |
| Electrical reliability IEC 60947-5-4 | $\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\exp(-7)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 |
| Mounting of block | Front mounting |
| Condition of use | Mounting on push-button collar |
| Electrical composition code | C2 <= 3 C4 <= 2 C6 <= 2 C8 <= 1 C10 <= 2 C13 <= 3 M2 <= 2 M4 <= 2 M8 <= 2 |
| Compatibility code | ZBE |

Environment

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| Protective treatment | TH |
| Ambient air temperature for storage | -40...70 °C |
| Ambient air temperature for operation | -25...70 °C |
| Standards | EN/IEC 60947-5-4 EN/IEC 60947-1 JIS C 4520 EN/IEC 60947-5-1 CSA C22.2 No 14 UL 508 |
| Product certifications | GL RINA CSA GOST DNV CCC LROS (Lloyds register of shipping) BV UL |
| Vibration resistance | 5 gn 2...500 Hz IEC 60068-2-6 |
| Shock resistance | 30 gn 18 ms half sine wave acceleration IEC 60068-2-27 50 gn 11 ms half sine wave acceleration IEC 60068-2-27 |

Contractual warranty

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| Warranty period | 18 months |
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