Product data sheet Characteristics

ZBE101

single contact block for head Ø22 1NO screw clamp terminal

Range of product Harmony XB4 Harmony XB5 Product or component type Device short name ZBE Sale per indivisible quantity IP degree of protection IP20 conforming to IEC 60529 Contacts type and composition Contacts operation Slow-break Contact block type Single Contacts usage Standard contacts Connections - terminals Screw clamp terminals: <= 2 x 1.5 mm² with cable end conforming to EN 60947-1 Screw clamp terminals: >= 1 x 0.22 mm² without cable end conforming to EN 60947-1	Main	
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Complementary

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Terminals description ISO n°1	(13-14)NO
Product weight	0.011 kg
Positive opening	Without positive opening
Operating travel	2.6 mm (NO changing electrical state) 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	5000000 cycles
Tightening torque	0.81.2 N.m conforming to EN 60947-1
Shape of screw head	Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with flat Ø 4 mm screwdriver Cross head compatible with Philips no 1 screwdriver Slotted head compatible with flat Ø 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
[lth] 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
[le] rated operational current	6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1

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Electrical durability	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 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 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 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 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
Electrical reliability IEC 60947-5-4	Λ < 10exp(-6) at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 Λ < 10exp(-8) at 17 V, 5 mA in clean environment conforming to EN/IEC 60947-5-4

Environment

Protective treatment	TH
Ambient air temperature for storage	-4070 °C
Ambient air temperature for operation	-2570 °C
Standards	EN/IEC 60947-5-5 EN/IEC 60947-1 UL 508 JIS C 4520 CSA C22-2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-5-4
Product certifications	DNV (Det Norske Veritas) LROS (Lloyds register of shipping) CSA UL GL RINA BV
Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn for 18 ms half sine wave acceleration conforming to IEC 60068-2-27 50 gn for 11 ms half sine wave acceleration conforming to IEC 60068-2-27

