

ZBE102

single contact block for head Ø22 1NC silver alloy
screw clamp terminal



Main

Range of product	Harmony XB5 Harmony XB4
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 NC
Contacts operation	Slow-break
Contact block type	Single
Contacts usage	Standard contacts
Connections - terminals	Screw clamp terminals $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1 Screw clamp terminals $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1

Complementary

Product weight	0.011 kg
Positive opening	With EN/IEC 60947-5-1 appendix K
Operating travel	4.3 mm total travel 1.5 mm NC changing electrical state
Operating force	2 N NC changing electrical state
Mechanical durability	5000000 cycles
Tightening torque	0.8...1.2 N.m EN 60947-1
Shape of screw head	Slotted flat Ø 5.5 mm Cross pozidriv No 1 Cross Philips no 1 Slotted flat Ø 4 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

[Ui] rated insulation voltage	600 V 3 EN 60947-1
[Uimp] rated impulse withstand voltage	6 kV EN 60947-1
[Ie] rated operational current	6 A 120 V AC-15 A600 EN/IEC 60947-5-1 0.27 A 250 V DC-13 Q600 EN/IEC 60947-5-1 3 A 240 V AC-15 A600 EN/IEC 60947-5-1 0.1 A 600 V DC-13 Q600 EN/IEC 60947-5-1 1.2 A 600 V AC-15 A600 EN/IEC 60947-5-1 0.55 A 125 V DC-13 Q600 EN/IEC 60947-5-1
Electrical durability	1000000 cycles DC-13 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles AC-15 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles DC-13 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
Electrical reliability IEC 60947-5-4	$\Lambda < 10\exp(-7)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ at 17 V, 5 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	SF2 <= 2 M1 <= 6 M7 <= 6 C3 <= 6 C12 <= 6 C8 <= 2 C7 <= 4 C5 <= 5 C13 <= 1 M2 <= 4 C10 <= 2 C6 <= 3 SF1 <= 3 MF1 <= 2 C9 <= 3 C1 <= 9 MF2 <= 2 C2 <= 7 C4 <= 4 M3 <= 4 M6 <= 2 M9 <= 2 M8 <= 4 M5 <= 2 M4 <= 2
Compatibility code	ZBE

Environment

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

Contractual warranty

Warranty period	18 months
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