

Product datasheet
Characteristics

ZBE101

single contact block for head Ø22 1NO silver alloy screw clamp terminal



Main

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
Contact operation	Slow-break
Contact block type	Single
Contacts usage	Standard contacts
Connections - terminals	Screw clamp terminals <= 2 x 1.5 mm ² with cable end EN 60947-1 Screw clamp terminals >= 1 x 0.22 mm ² without cable end EN 60947-1

Complementary

Product weight	0.011 kg
Positive opening	Without
Operating travel	2.6 mm NO changing electrical state 4.3 mm total travel
Operating force	2.3 N NO changing electrical state
Mechanical durability	10000000 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
[Ith] 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	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 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 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 3 A 120 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 DC-13 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda < 10\text{exp}(-7)$ 1 mA in clean environment EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ 5 mA in clean environment EN/IEC 60947-5-4
Mounting of block	Front mounting
Condition of use	Mounting on push-button collar
Electrical composition code	C1 <= 9 C2 <= 7 C3 <= 6 C4 <= 4

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C5 ≤ 5
 C6 ≤ 3
 C7 ≤ 4
 C8 ≤ 2
 C9 ≤ 3
 C12 ≤ 6
 M1 ≤ 6
 M2 ≤ 4
 M3 ≤ 4
 M5 ≤ 2
 M6 ≤ 2
 M7 ≤ 6
 M8 ≤ 4
 M9 ≤ 2
 SF1 ≤ 3
 SF2 ≤ 2
 MF1 ≤ 2
 MF2 ≤ 2
 C10 ≤ 2
 M4 ≤ 2
 C13 ≤ 1

Compatibility code	ZBE
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Environment

protective treatment	TH
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ambient air temperature for storage	-40...70 °C
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ambient air temperature for operation	-40...70 °C
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standards	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 JIS C 4520 UL 508 CSA C22.2 No 14
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product certifications	BV CCC CSA DNV GL GOST LROS (Lloyds register of shipping) RINA UL
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vibration resistance	5 gn 2...500 Hz IEC 60068-2-6
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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
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