

ZBE1024

single contact block for head Ø22 1NC silver alloy
for plug-in connector



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 NC
Contact operation	Slow-break
Contact block type	Single
Contacts usage	Standard contacts
Connections - terminals	Plug-in connector

Complementary

Product weight	0.011 kg
Positive opening	With EN/IEC 60947-5-1 appendix K
Operating travel	1.5 mm NC changing electrical state 4.3 mm total travel
Operating force	2 N NC changing electrical state
Mechanical durability	10000000 cycles
Contacts material	Silver alloy (Ag/Ni)
Short-circuit protection	4 A cartridge fuse gG EN/IEC 60947-5-1
[I _{th}] conventional free air thermal current	10 A EN/IEC 60947-5-1
[U _i] rated insulation voltage	250 V 3 EN 60947-1
[U _{imp}] rated impulse withstand voltage	4 kV EN 60947-1
[I _e] rated operational current	3 A 240 V AC-15 A300 EN/IEC 60947-5-1 6 A 120 V AC-15 A300 EN/IEC 60947-5-1 0.1 A 250 V DC-13 R300 EN/IEC 60947-5-1 0.22 A 125 V DC-13 R300 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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Electrical reliability	$\Lambda < 10\exp(-7)$ 1 mA in clean environment EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ 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	C11 \leq 3 C14 \leq 2 M10 \leq 2
Compatibility code	ZBE

Environment

Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-40...70 °C
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
Product certifications	BV CSA DNV GL LROS (Lloyds register of shipping) RINA 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

Warranty period	18 months
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