Product data sheet Characteristics

ZB5AZ101

single contact block with body/fixing collar 1NO screw clamp terminal



Main

Man		Ş
Range of product	Harmony XB5	<u> </u>
Product or component type	Complete body/contact assembly	
Device short name	ZB5	
Fixing collar material	Plastic	
Sale per indivisible quantity	1	
Contacts type and composition	1 NO	<u>a</u>
Contacts operation	Slow-break	
Contact block type	Single	
Connections - terminals	Screw clamp terminals <= 2 x 1.5 mm² with cable end EN 60947-1 Screw clamp terminals >= 1 x 0.22 mm² without cable end EN 60947-1	<u>.</u>

Complementary

CAD overall width	30 mm	
CAD overall height	42 mm	
CAD overall depth	32 mm	. <u>v</u>
Terminals description ISO n°1	(13-14)NO	
Product weight	0.021 kg	
Device composition	Fixing collar Body	si Riberi
Contacts usage	Standard contacts	
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)	
Mechanical durability	5000000 cycles	 E 7
Tightening torque	0.81.2 N.m conforming to EN 60947-1	<u> </u>
Shape of screw head	Cross head compatible with Philips no 1 screwdriver Cross head compatible with pozidriv No 1 screwdriver Slotted head compatible with flat Ø 4 mm screwdriver	solaimer. Tü

Slotted head compatible with flat Ø 5.5 mm screwdri	Slotted head	compatible with	flat Ø 5.5 mm	screwdrive
---	--------------	-----------------	---------------	------------

Contacts material	Silver alloy (Ag/Ni)				
Short circuit protection	10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1				
[Ith] 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	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 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 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 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				
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, 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 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, 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				
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
IP degree of protection	IP20 conforming to IEC 60529
Standards	CSA C22.2 No 14 UL 508 EN/IEC 60947-5-1 EN/IEC 60947-1 EN/IEC 60947-5-4 JIS C 4520
Product certifications	CSA RINA GL BV LROS (Lloyds register of shipping) UL DNV
Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

Contractual warranty

Maria at a second	40		
Warranty period	18 months		

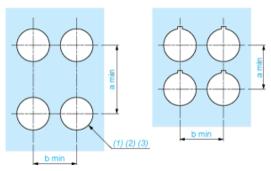
Product data sheet Dimensions Drawings

ZB5AZ101

Dimensions

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

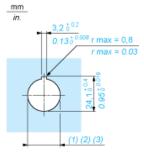
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- Diameter on finished panel or support (1)
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. \varnothing 22.5 mm recommended (\varnothing 22.3 $_0$ $^{+0.4}$) / \varnothing 0.89 in. recommended (\varnothing 0.88 in. $_0$ $^{+0.016}$)

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

Detail of Lug Recess



- Diameter on finished panel or support
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. \emptyset 22.5 mm recommended (\emptyset 22.3 $_0$ $^{+0.4}$) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0$ $^{+0.016}$)