

Single contact block with body fixing collar, Harmony XB5, plastic, screw clamp terminal, 1NO+1NC

ZB5AZ105

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Range of product	Harmony XB5
Product or component type	Complete body/contact assembly
Device short name	ZB5
Fixing collar material	Plastic
Sale per indivisible quantity	1
Head type	Standard
Contacts type and composition	1 NO + 1 NC
Contact operation	Slow-break
Contact block type	Single
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

Complementary

CAD overall width	30 mm
CAD overall height	42 mm
CAD overall depth	32 mm
Terminals description ISO n°1	(13-14)NO (11-12)NC
Device composition	Fixing collar Body
Contacts usage	Standard contacts
Positive opening	With conforming to EN/IEC 60947-5-1 appendix K
Operating travel	1.5 mm (NC changing electrical state) 2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Mechanical durability	10000000 cycles
Tightening torque	0.81.2 N.m conforming to EN 60947-1
Shape of screw head	Cross compatible with Philips no 1 screwdriver Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted 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

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 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/I 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 E IEC 60947-5-1 appendix C	[Ith] conventional free air thermal current	10 A conforming to EN/IEC 60947-5-1	
	[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to EN 60947-1	
B A st 20 V, AC-15, A600 conforming to ENNEC 6047-5-1 U.1 A st 60 V, PC-15, 0001 conforming to ENNEC 6047-5-1 U.1 A st 60 V, PC-15, 0001 conforming to ENNEC 6047-5-1 U.5 A st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, DC-13, 0001 conforming to ENNEC 6047-5-1 U.5 C st 25 V, D		6 kV conforming to EN 60947-1	
B0947-5-1 appendix C D00000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cych, load factor: 0.5 conforming to EN B0947-5-1 appendix C B0947-5-1 appen	[le] rated operational current	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	
A < 10expc(-8) at 17 V. 5 mA in clean environment conforming to EN/IEC 60947-5-4 Basic sub-assemblies Environment Protective treatment TH Ambient air temperature for storage -4070 °C Ambient air temperature for operation IP20 conforming to IEC 60529 Standards EN/IEC 60947-5-1 CSA C222 No 14 UL 508 EN/IEC 60947-5-1 SSA C222 No 14 UL 508 EN/IEC 60947-5-1 JIS C8201-5-1 JIS C8201-1 Product certifications LROS (Lloyds register of shipping) UL DNV CSA BV OIL ON ON CSA	Electrical durability	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/	
Environment Protective treatment TH Ambient air temperature for storage Ambient air temperature for operation -4070 °C -4070	Electrical reliability		
Protective treatment Ambient air temperature for storage Ambient air temperature for operation IP degree of protection IP20 conforming to IEC 60529 Standards ENIEC 60947-5-1 CSA C22.2 No 14 L90 60947-5-4 ENIEC 60947-5-1 JIS C8201-5-1 JIS C8201-5-1 JIS C8201-5-1 JIS C8201-5-1 JIS C8201-5-1 JIS C8201-5-1 Selve Se	Device presentation	Basic sub-assemblies	
Protective treatment Ambient air temperature for storage Ambient air temperature for operation IP degree of protection P20 conforming to IEC 60529 Standards EN/IEC 60947-5-1 CSA C22.2 No 14 L90 60947-5-4 EN/IEC 60947-5-1 JIS C803-1-1 JIS C803-1-3	Environment		
Ambient air temperature for operation IP degree of protection IP20 conforming to IEC 60529 Standards EN/IEC 60947-5-1 CSA C22.2 No 14 UL 508 EN/IEC 60947-5-1 JIS C8201-5-1 JIS C8201-5-1 JIS C8201-5-1 JIS C8201-5-1 JIS C8201-5-1 Several Company of the compan		тн	
Packing Units PCE		-4070 °C	
Standards		-4070 °C	
CSA C22 2 No 14 UL 508	IP degree of protection	IP20 conforming to IEC 60529	
UL DNV CSA BV GL 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 Packing Units Unit Type of Package 1 PCE Number of Units in Package 1 1 Package 1 Height 4.500 cm Package 1 Weight 3.400 cm Package 1 Weight 29.000 g Unit Type of Package 2 S03 Number of Units in Package 2 300 Package 2 Height 30.000 cm	Standards	CSA C22.2 No 14 UL 508 EN/IEC 60947-5-4 EN/IEC 60947-1 JIS C8201-5-1	
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 Packing Units Unit Type of Package 1 PCE Number of Units in Package 1 1 Package 1 Height 4.500 cm Package 1 Length 5.400 cm Package 1 Weight 29.000 g Unit Type of Package 2 S03 Number of Units in Package 2 300 Package 2 Height 30.000 cm	Product certifications	UL DNV CSA BV	
Packing Units Unit Type of Package 1 Package 1 Height Package 1 Height Package 1 Length Package 1 Weight Package 2 Weight Package 2 So3 Number of Units in Package 2 Package 2 Height So on Package 2 Height So on Package 2 Height So on Package 3 Weight So on Package 4 Weight So on Package 5 Weight So on Package 6 Weight So on Package 7 Weight So on Package 8 So on Package 9 Height Package 9 He	Vibration resistance	5 gn (f= 2500 Hz) conforming to IEC 60068-2-6	
Unit Type of Package 1 PCE Number of Units in Package 1 1 Package 1 Height 4.500 cm Package 1 Width 3.400 cm Package 1 Length 5.400 cm Package 1 Weight 29.000 g Unit Type of Package 2 S03 Number of Units in Package 2 300 Package 2 Height 30.000 cm	Shock resistance		
Number of Units in Package 1 1 Package 1 Height 4.500 cm Package 1 Width 3.400 cm Package 1 Length 5.400 cm Package 1 Weight 29.000 g Unit Type of Package 2 S03 Number of Units in Package 2 300 Package 2 Height 30.000 cm	Packing Units		
Package 1 Height 4.500 cm Package 1 Width 3.400 cm Package 1 Length 5.400 cm Package 1 Weight 29.000 g Unit Type of Package 2 S03 Number of Units in Package 2 300 Package 2 Height 30.000 cm	Unit Type of Package 1	PCE	
Package 1 Width 3.400 cm Package 1 Length 5.400 cm Package 1 Weight 29.000 g Unit Type of Package 2 S03 Number of Units in Package 2 Package 2 Height 30.000 cm	Number of Units in Package 1	1	
Package 1 Length 5.400 cm Package 1 Weight 29.000 g Unit Type of Package 2 S03 Number of Units in Package 2 300 Package 2 Height 30.000 cm	Package 1 Height	4.500 cm	
Package 1 Weight 29.000 g Unit Type of Package 2 S03 Number of Units in Package 2 300 Package 2 Height 30.000 cm	Package 1 Width	3.400 cm	
Unit Type of Package 2 S03 Number of Units in Package 2 300 Package 2 Height 30.000 cm	Package 1 Length	5.400 cm	
Number of Units in Package 2 300 Package 2 Height 30.000 cm	Package 1 Weight	29.000 g	
Package 2 Height 30.000 cm	Unit Type of Package 2	S03	
	Number of Units in Package 2	300	
Package 2 Width 30.000 cm	Package 2 Height	30.000 cm	
	Package 2 Width	30.000 cm	

Package 2 Length	40.000 cm
Package 2 Weight	9.142 kg
Unit Type of Package 3	P06
Number of Units in Package 3	2400
Package 3 Height	77.000 cm
Package 3 Width	80.000 cm
Package 3 Length	60.000 cm
Package 3 Weight	85.268 kg

Sustainable offer status	Green Premium product	
REACh Regulation	REACh Declaration	
REACh free of SVHC	Yes	
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration	
Toxic heavy metal free	Yes	
Mercury free	Yes	
China RoHS Regulation	China RoHS declaration	
RoHS exemption information	Yes	
Environmental Disclosure	Product Environmental Profile	
Circularity Profile	End of Life Information	
WEEE	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins	
California proposition 65	WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov	

Contractual warranty

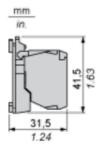
Warranty 18 months

Product data sheet

ZB5AZ105

Dimensions Drawings

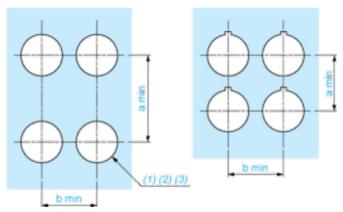
Dimensions



Mounting and Clearance

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

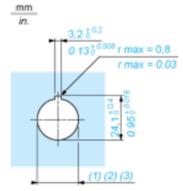
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 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

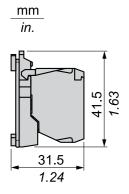
Detail of Lug Recess

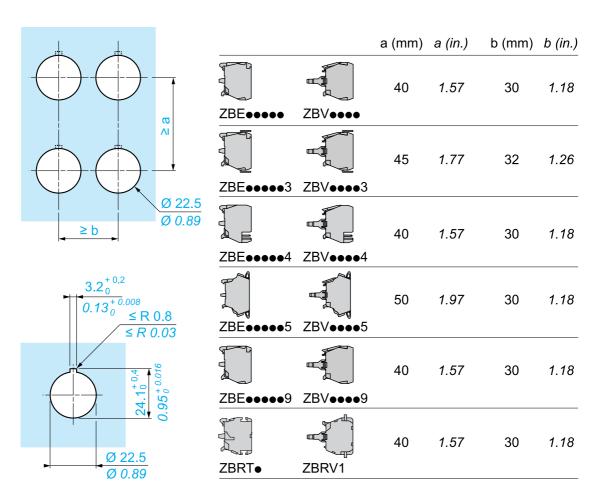


- (1) Diameter on finished panel or support
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Technical Illustration

Dimensions





Recommended replacement(s)