Product data sheet Characteristics

ZB5AZ141

Single contact block with body fixing collar, Harmony XB5, plastic, screw clamp terminal, 1NO+2NC





Main

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 + 2 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

Complementary	
CAD overall width	30 Mm
CAD overall height	42 Mm
CAD overall depth	32 Mm
Terminals description ISO n°1	(11-12)NC (3-4)NO
Net weight	0.04 Kg
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
[lth] 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

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not inherended as a substitute for and is not to be used for determining suitability or reliability of these products by specific base applications. It is the dourn arise and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

[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	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
Device presentation	Basic sub-assemblies
Environment	
Environment Protective treatment	TH
Ambient air temperature for storage	-4070 °C
Ambient air temperature for operation	-4070 °C
IP degree of protection	IP20 conforming to IEC 60529
Standards	EN/IEC 60947-5-1 EN/IEC 60947-1 CSA C22.2 No 14 UL 508 JIS C8201-5-1 EN/IEC 60947-5-4 JIS C8201-1
Product certifications	BV GL UL LROS (Lloyds register of shipping) DNV CSA
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	
	PCE
Unit Type of Package 1	
Unit Type of Package 1 Number of Units in Package 1	1
Number of Units in Package 1	1 4.5 Cm
Number of Units in Package 1 Package 1 Height	4.5 Cm
Number of Units in Package 1 Package 1 Height Package 1 Width	4.5 Cm 3.4 Cm
Number of Units in Package 1 Package 1 Height	4.5 Cm 3.4 Cm 5.4 Cm
Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight	4.5 Cm 3.4 Cm
Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type of Package 2	4.5 Cm 3.4 Cm 5.4 Cm 38.0 G S03
Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type of Package 2 Number of Units in Package 2	4.5 Cm 3.4 Cm 5.4 Cm 38.0 G S03 300
Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type of Package 2 Number of Units in Package 2 Package 2 Height	4.5 Cm 3.4 Cm 5.4 Cm 38.0 G S03 300 30 Cm
Number of Units in Package 1 Package 1 Height Package 1 Width Package 1 Length Package 1 Weight Unit Type of Package 2 Number of Units in Package 2	4.5 Cm 3.4 Cm 5.4 Cm 38.0 G S03 300



Offer Sustainability

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) EEU 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-isode- cyl phthalate (DIDP), which is known to the State of California to cause birth de- fects or other reproductive harm. For more information go to www.P65Warn- ings.ca.gov

Contractual warranty

Warranty	18 months
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Product Life Status : Commercialised