ZB5AW0B55

Light block with body fixing collar, Harmony XB5, plastic, orange, integral LED, 24V AC DC, 1NO+1NC





Main

Range of product	Harmony XB5
Product or component type	Complete body/contact assembly and light block
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
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
Light source	Protected LED
Bulb base	Integral LED
Light block supply	Direct
Light source colour	Orange

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		
Net weight	0.042 kg		
Contacts usage	Standard		
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)		
Operating force	2 N NC changing electrical state 2.3 N NO changing electrical state		
Operating torque	0.05 N.m NO changing electrical state		
Mechanical durability	5000000 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		
[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		
[Uimp] rated impulse withstand voltage	6 kV 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 inherent or and is not to be used for determining suitability or inhability of these products for specific user applications. It is the dourn and resting of the products with respect to the relevant specific application or use thereof. It is the duty of any contribution or integrator to perform the appropriate 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.

[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 1.2 A at 600 V, 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 durability			
Electrical reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4 Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4		
Signalling type	Steady		
[Us] rated supply voltage	24 V AC/DC at 50/60 Hz		
Supply voltage limits	19.230 V DC 21.626.4 V AC		
Current consumption	18 mA		
Service life	100000 h at rated voltage and 25 °C		
Surge withstand	1 kV conforming to IEC 61000-4-5		
Device presentation	Basic sub-assemblies		

Environment

-4070 °C			
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Class II conforming to IEC 60536			
EN/IEC 60947-5-1 JIS C8201-5-1 CSA C22.2 No 14 EN/IEC 60947-1 EN/IEC 60947-5-4 UL 508 JIS C8201-1			
CSA[RETURN]DNV[RETURN]UL listed[RETURN]LROS (Lloyds register shipping)[RETURN]BV[RETURN]GL			
5 gn (f= 2500 Hz) conforming to IEC 60068-2-6			
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			
2 kV conforming to IEC 61000-4-4			
10 V/m conforming to IEC 61000-4-3			
6 KV on contact (on metal parts) conforming to IEC 61000-2-6 8 kV in free air (in insulating parts) conforming to IEC 61000-2-6			
Class B conforming to IEC 55011			

Packing Units

Unit Type of Package 1	PCE	
Number of Units in Package 1	1	
Package 1 Height	3.2 cm	
Package 1 Width	4.8 cm	
Package 1 Length	5 cm	
Package 1 Weight	38 g	
Unit Type of Package 2	S02	
Number of Units in Package 2	100	
Package 2 Height	15 cm	

Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	4.128 kg
Offer Sustainability	
Sustainable offer status	Green Premium product
REACh Regulation	☑ REACh Declaration
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)
Mercury free	Yes
China RoHS Regulation	China RoHS Declaration
RoHS exemption information	₫Yes

Product Environmental Profile

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

End Of Life Information

Contractual warranty

Environmental Disclosure

Circularity Profile

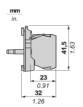
WEEE

Warranty	18 months
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Product data sheet Dimensions Drawings

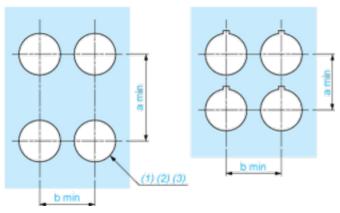
ZB5AW0B55

Dimensions



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

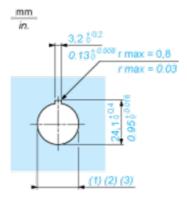
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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
- (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. $_0$ $^{+0.016}$)