# ZB5AW0G15

Complete body contact assembly and light block, Harmony XB5, XB4, with body fixing collar, universal LED, 110...120V, 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 mm <sup>2</sup> with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm <sup>2</sup> without cable end conforming to IEC 60947-1
Light source	Universal LED
Bulb base	Integral LED
Light block supply	Direct
Light source colour	White

#### Complementary

- Compression y				
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 IEC 60947-5-1 appendix K			
Operating travel	<ul><li>1.5 Mm (NC changing electrical state)</li><li>2.6 Mm (NO changing electrical state)</li><li>4.3 mm (total travel)</li></ul>			
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 IEC 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 IEC 60947-5-1			
[Ith] conventional free air thermal current	10 A conforming to IEC 60947-5-1			
[Ui] rated insulation voltage	600 V (pollution degree 3) conforming to IEC 60947-1			
[Uimp] rated impulse withstand voltage	6 kV conforming to IEC 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 aren in 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 IEC 60947-5-1
	6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1
	0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1
	0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1
	0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1
	1.2 A at 600 V, AC-15, A600 conforming to 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 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 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 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 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 IEC 60947-5-1 appendix C
Electrical reliability	$\Lambda$ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4
	$\Lambda$ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4
Signalling type	Steady
[Us] rated supply voltage	110120 V AC at 50/60 Hz
Current consumption	14 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

TH			
-4070 °C			
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Class II conforming to IEC 60536			
UL 508 IEC 60947-1 JIS C8201-5-1 IEC 60947-5-4 IEC 60947-5-1 CSA C22.2 No 14 JIS C8201-1			
UL listed[RETURN]GL[RETURN]BV[RETURN]LROS (Lloyds register of ship [RETURN]CSA[RETURN]DNV			
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

PCE	
1	
5.3 cm	
3.4 cm	
5.5 cm	
41.0 g	
_	1 5.3 cm 3.4 cm 5.5 cm



### 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			
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			

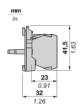
#### Contractual warranty

Warranty	18 months

# Product data sheet Dimensions Drawings

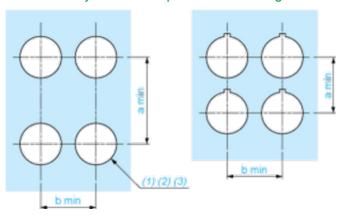
# ZB5AW0G15

#### **Dimensions**



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

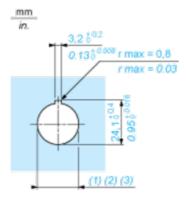
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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  $_{0}$  <sup>+0.4</sup>) / Ø0.89 in. recommended (Ø0.88 in.  $_{0}$  <sup>+0.016</sup>)

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