# **Product datasheet**

Specifications





Complete body/contact assembly and light block, Harmony XB5, XB4, with body/fixing collar, BA9s bulb, 250V, 2NO

ZB5AW063

① Discontinued

() Discontinued on: 21 Jul 2020

#### 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	2 NO				
Contact operation	Slow-break				
Connections - terminals	Screw clamp terminals, <= $2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1 Screw clamp terminals, >= $1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1				
Light source	Bulb not included				
Bulb base	BA 9s				
Light block supply	Direct <2.4 W				

## Complementary

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CAD overall width	30 mm
CAD overall height	42 mm
CAD overall depth	32 mm
Terminals description ISO n°1	(11-12)NC
net weight	0.041 kg
Contacts usage	Standard
Positive opening	Without
Operating travel	2.6 mm (NO changing electrical state) 4.3 mm (total travel)
Operating force	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				
[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, 0.2 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	<= 250 V				
device presentation	Basic sub-assemblies				

#### Environment

protective treatment	тн				
Ambient air temperature for storage	-4070 °C				
Ambient air temperature for operation	-4070 °C				
Electrical shock protection class	Class II conforming to IEC 60536				
Standards	UL 508 IEC 60947-1 JIS C8201-5-1 CSA C22.2 No 14 IEC 60947-5-1 IEC 60947-5-4 JIS C8201-1				
Product certifications	CSA GL DNV BV UL listed LROS (Lloyds register of shipping)				
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	4.4 cm

Package 1 Width	3.4 cm
Package 1 Length	5.3 cm
Package 1 Weight	38 g
Unit Type of Package 2	S03
Number of Units in Package 2	200
Package 2 Height	30 cm
Package 2 Width	30 cm
Package 2 Length	40 cm
Package 2 Weight	8.05 kg

### **Contractual warranty**

Warranty

18 months

# Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

#### Well-being performance



Rohs Exemption Information

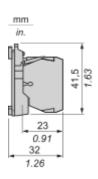
#### **Certifications & Standards**

Reach Regulation	REACh Declaration			
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)			
China Rohs Regulation	China RoHS declaration			
Environmental Disclosure	Product Environmental Profile			
Weee	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins			
Circularity Profile	End of Life Information			

### **Product datasheet**

#### **Dimensions Drawings**

#### Dimensions



#### **Product datasheet**

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

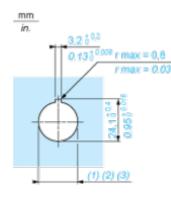


(1) Diameter on finished panel or support

(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. (3)  $\emptyset$ 22.5 mm recommended ( $\emptyset$ 22.3  $_0^{+0.4}$ ) /  $\emptyset$ 0.89 in. recommended ( $\emptyset$ 0.88 in.  $_0^{+0.016}$ )

5				0
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)  $\emptyset$ 22.5 mm recommended ( $\emptyset$ 22.3  $_0^{+0.4}$ ) /  $\emptyset$ 0.89 in. recommended ( $\emptyset$ 0.88 in.  $_0^{+0.016}$ )