Product datasheet

Specifications





Complete body/contact assembly and light block, Harmony XB5, XB4, with body/fixing collar with BA9s incandesc. bulb 220...240 V 1NO+1NC

ZB5AW045

(!) Discontinued

() Discontinued on: 9 Feb 2023

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 ² with cable end conforming to IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm ² without cable end conforming to IEC 60947-1				
Light Source	Incandescent				
Bulb Base	BA 9s				
Light Block Supply	Via integral transformer 1.2 VA 6 V				

Complementary

30 mm
42 mm
79 mm
(11-12)NC (13-14)NO
0.119 kg
Standard
With conforming to IEC 60947-5-1 appendix K
1.5 mm (NC changing electrical state)2.6 mm (NO changing electrical state)4.3 mm (total travel)
2 N NC changing electrical state 2.3 N NO changing electrical state
0.05 N.m NO changing electrical state
5000000 cycles
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, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5				
	conforming to IEC 60947-5-1 appendix C				
Electrical Reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4				
	Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4				
Signalling Type	Steady				
[Us] Rated Supply Voltage	220240 V AC at 50/60 Hz				
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 60947-5-1 CSA C22.2 No 14 IEC 60947-1 IEC 60947-5-4 JIS C8201-5-1 JIS C8201-1
Product Certifications	GL UL listed LROS (Lloyds register of shipping) DNV CSA BV
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	8.2 cm
Package 1 Width	5.2 cm
Package 1 Length	3.2 cm
Package 1 Weight	118.0 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5
Package 2 Height	8.7 cm
Package 2 Width	26.6 cm
Package 2 Length	3.5 cm
Package 2 Weight	590.0 g
Unit Type Of Package 3	S02
Number Of Units In Package 3	50
Package 3 Height	15.0 cm
Package 3 Width	30.0 cm
Package 3 Length	40.0 cm
Package 3 Weight	6.182 kg

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM 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-CO₂ products.

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

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

Well-being performance

Mercury Free

Rohs Exemption Information Yes

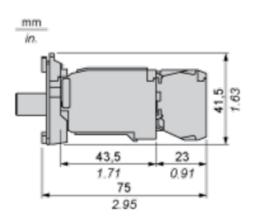
Certifications & Standards

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

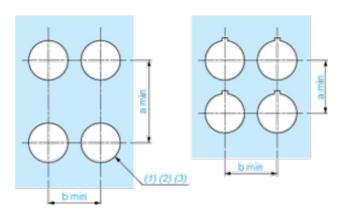


Product datasheet

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

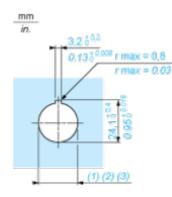


(1) Diameter on finished panel or support

(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. $_0^{+0.016}$)