Product data sheet

Specification





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

ZB5AW045

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 195.00 USD

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 IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm ² without cable end IEC 60947-1			
Light source	Incandescent			
Bulb base	BA 9s			
Light block supply	Via integral transformer 1.2 VA 6 V			

Complementary

CAD overall width	1.2 in (30 mm)
CAD overall height	1.7 in (42 mm)
CAD overall depth	3.1 in (79 mm)
Terminals description ISO n°1	(11-12)NC (13-14)NO
Net Weight	0.262 lb(US) (0.119 kg)
Contacts usage	Standard
Positive opening	With IEC 60947-5-1 appendix K
Operating travel	0.06 in (1.5 mm) NC changing electrical state) 0.1 in (2.6 mm) NO changing electrical state) 0.2 in (4.3 mm) total travel)
Operating force	2 N NC changing electrical state 2.3 N NO changing electrical state
Operating torque	0.44 lbf.in (0.05 N.m) NO changing electrical state
Mechanical durability	5000000 cycles

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

Tightening torque	7.0810.6 lbf.in (0.81.2 N.m) IEC 60947-1		
Shape of screw head	Cross Philips no 1		
	Cross pozidriv No 1		
	Slotted flat Ø 4 mm		
	Slotted flat Ø 5.5 mm		
Contacts material	Silver alloy (Ag/Ni)		
Short-circuit protection	10 A cartridge fuse gG IEC 60947-5-1		
[lth] conventional free air thermal current	10 A IEC 60947-5-1		
[Ui] rated insulation voltage	600 V 3)IEC 60947-1		
[Uimp] rated impulse withstand voltage	6 kV IEC 60947-1		
[le] rated operational current	3 A 240 V, AC-15, A600 IEC 60947-5-1		
	6 A 120 V, AC-15, A600 IEC 60947-5-1		
	0.1 A 600 V, DC-13, Q600 IEC 60947-5-1		
	0.27 A 250 V, DC-13, Q600 IEC 60947-5-1		
	0.55 A 125 V, DC-13, Q600 IEC 60947-5-1		
	1.2 A 600 V, AC-15, A600 IEC 60947-5-1		
Electrical durability	1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C		
	1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C		
	1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C		
	1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C		
	1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C		
Electrical reliability	Λ < 10exp(-6) 5 V 1 mA in clean environment IEC 60947-5-4		
	Λ < 10exp(-8) 17 V 5 mA in clean environment IEC 60947-5-4		
Signalling type	Steady		
[Us] rated supply voltage	220240 V AC 50/60 Hz		
device presentation	Basic sub-assemblies		

Environment

protective treatment	тн		
Ambient Air Temperature for Storage	-40.000000000158.0000000000 °F (-4070 °C)		
Ambient Air Temperature for Operation	-40.0000000000158.00000000000 °F (-4070 °C)		
Electrical shock protection class	Class II 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 2500 Hz)IEC 60068-2-6		
Shock resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27		

Ordering and shipping details

Category	US10CS222469
Discount Schedule	0CS2
GTIN	3389110909616

Returnability	No	
Country of origin	FR	

Packing Units

•	
Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	3.2 in (8.2 cm)
Package 1 Width	2.05 in (5.2 cm)
Package 1 Length	1.3 in (3.2 cm)
Package 1 Weight	4.2 oz (118.0 g)
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	3.4 in (8.7 cm)
Package 2 Width	10.5 in (26.6 cm)
Package 2 Length	1.4 in (3.5 cm)
Package 2 Weight	20.8 oz (590.0 g)
Unit Type of Package 3	S02
Number of Units in Package 3	50
Package 3 Height	5.9 in (15.0 cm)
Package 3 Width	11.8 in (30.0 cm)
Package 3 Length	15.7 in (40.0 cm)
Package 3 Weight	13.629 lb(US) (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			
	The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.			
Weee	· · · · · · · · · · · · · · · · · · ·			
Weee Circularity Profile	· · · · · · · · · · · · · · · · · · ·			

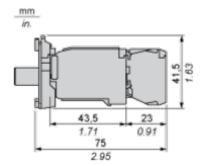
Jul 8, 2024

Product data sheet

ZB5AW045

Dimensions Drawings

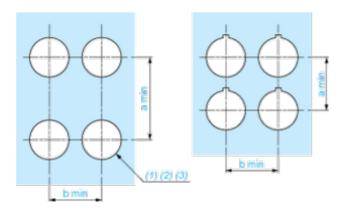
Dimensions



Mounting and Clearance

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

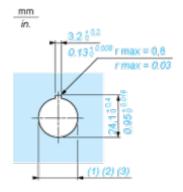
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

				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. $_0^{+0.016}$)