Product data sheet





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

ZB5AW0B41

! Discontinued on: Jan 9, 2023

(!) Discontinued

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

Important message: All colored LED are replaced with a single Universal LED block for use with new illuminated heads (more information at se.com/harmonyxb4 or se.com/harmonyxb5)

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				
Contact Operation	Slow-break				
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end EN 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end EN 60947-1				
Light Source	Protected LED				
Bulb Base	Integral LED				
Light Block Supply	Direct				
Light Source Colour	Red				

Complementary

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Cad Overall Width	1.18 in (30 mm)
Cad Overall Height	1.65 in (42 mm)
Cad Overall Depth	1.26 in (32 mm)
Terminals Description Iso N°1	(13-14)NO
Net Weight	0.07 lb(US) (0.032 kg)
Contacts Usage	Standard
Positive Opening	Without
Operating Travel	0.10 in (2.6 mm) NO changing electrical state) 0.17 in (4.3 mm) total travel)
Operating Force	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
Tightening Torque	7.0810.62 lbf.in (0.81.2 N.m) EN 60947-1

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

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 EN/IEC 60947-5-1
[Ith] Conventional Free Air Thermal Current	10 A EN/IEC 60947-5-1
[Ui] Rated Insulation Voltage	600 V 3)EN 60947-1
[Uimp] Rated Impulse Withstand Voltage	6 kV EN 60947-1
[le] Rated Operational Current	3 A 240 V, AC-15, A600 EN/IEC 60947-5-1
	6 A 120 V, AC-15, A600 EN/IEC 60947-5-1
	0.1 A 600 V, DC-13, Q600 EN/IEC 60947-5-1
	0.27 A 250 V, DC-13, Q600 EN/IEC 60947-5-1
	0.55 A 125 V, DC-13, Q600 EN/IEC 60947-5-1
	1.2 A 600 V, AC-15, A600 EN/IEC 60947-5-1
Electrical Durability	1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
	1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
	1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
	1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
	1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
Electrical Reliability	Λ < 10exp(-6) 5 V 1 mA in clean environment EN/IEC 60947-5-4
	Λ < 10exp(-8) 17 V 5 mA in clean environment EN/IEC 60947-5-4
Signalling Type	Steady
[Us] Rated Supply Voltage	24 V AC/DC 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 IEC 61000-4-5
Device Presentation	Basic sub-assemblies
Environment	
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Protective Treatment	TH

Protective Treatment	тн			
Ambient Air Temperature For Storage	-40158 °F (-4070 °C)			
Ambient Air Temperature For Operation	-40158 °F (-4070 °C)			
Electrical Shock Protection Class	Class II IEC 60536			
Standards	JIS C8201-5-1 EN/IEC 60947-1 CSA C22.2 No 14 UL 508 EN/IEC 60947-5-4 EN/IEC 60947-5-1 JIS C8201-1			
Product Certifications	DNV CSA GL LROS (Lloyds register of shipping) BV UL Listed			
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			
Resistance To Fast Transients	2 kV IEC 61000-4-4			

Resistance To Electromagnetic Fields	9.14 V/m (10 V/m) IEC 61000-4-3
Resistance To Electrostatic Discharge	6 kV on contact (on metal parts) IEC 61000-2-6 8 kV in free air (in insulating parts) IEC 61000-2-6
Electromagnetic Emission	Class B IEC 55011

Ordering and shipping details

Category	US10CS222469
Discount Schedule	0CS2
Gtin	3389110908497
Returnability	Yes
Country Of Origin	FR

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	1.38 in (3.5 cm)
Package 1 Width	2.13 in (5.4 cm)
Package 1 Length	2.36 in (6.0 cm)
Package 1 Weight	1.02 oz (29.0 g)
Unit Type Of Package 2	S02
Number Of Units In Package 2	100
Package 2 Height	5.91 in (15 cm)
Package 2 Width	11.81 in (30 cm)
Package 2 Length	15.75 in (40 cm)
Package 2 Weight	7.08 lb(US) (3.211 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

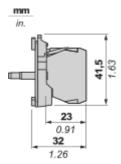
Reach Regulation	REACh Declaration				
Eu Rohs Directive	Pro-active compliance (Product out of EU RoHS legal scope)				
China Rohs Regulation	China RoHS declaration				
Environmental Disclosure	Product Environmental Profile				
Weee	The product must be disposed on European Union markets following specific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

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Dimensions Drawings

Dimensions

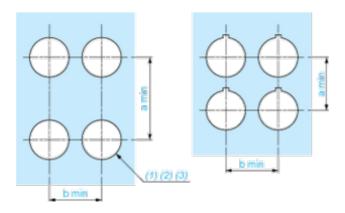


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Mounting and Clearance

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

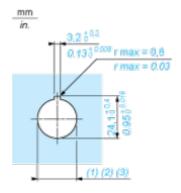
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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) Ø22.5 mm recommended (Ø22.3 $_0^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0^{+0.016}$)

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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. $_0^{+0.016}$)