Product datasheet





(!) Discontinued

Harmony XB4. Light block with body/fixing collar. metal. red. integral LED. 230...240 V AC. 1 NC

ZB4BW0M42



! Discontinued on: 09 Oct 2023

Price: 696.85 ZAR

Main

Range Of Product	Harmony XB4
Product Or Component Type	Complete body/contact assembly and light block
Device Short Name	ZB4
Fixing Collar Material	Zamak
Sale Per Indivisible Quantity	1
Head Type	Standard
Contacts Type And Composition	1 NC
Contact Operation	Slow-break
Connections - Terminals	Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to EN 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to EN 60947-1
Light Source	Protected LED
Bulb Base	Integral LED
Light Block Supply	Direct
Light Source Colour	Red
[Us] Rated Supply Voltage	230240 V AC at 50/60 Hz

Complementary

Cad Overall Width	30 mm
Cad Overall Height	47 mm
Terminals Description Iso N°1	(11-12)NC
Net Weight	0.064 kg
Contacts Usage	Standard
Positive Opening	With conforming to EN/IEC 60947-5-1 appendix K
Operating Travel	1.5 mm (NC changing electrical state) 4.3 mm (total travel)
Operating Force	2 N NC changing electrical state
Mechanical Durability	5000000 cycles
Tightening Torque	0.81.2 N.m conforming to EN 60947-1

Excluding VAT and subject to change. Please check with your local distributor through "Where to buy"

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
Occidenta Matacial	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 EN/IEC 60947-5-1
[Ith] Conventional Free Air Thermal Current	10 A conforming to EN/IEC 60947-5-1
[Ui] Rated Insulation Voltage	600 V (pollution degree 3) conforming to EN 60947-1
[Uimp] Rated Impulse Withstand Voltage	6 kV conforming to EN 60947-1
[le] Rated Operational Current	3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1
	6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1
	0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1
	0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1
	1.2 A at 600 V, AC-15, A600 conforming to EN/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 EN/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 EN/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 EN/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 EN/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 EN/IEC 60947-5-1 appendix C
Electrical Reliability	Λ < 10exp(-6) at 5 V and 1 mA in clean environment conforming to EN/IEC
	60947-5-4
	Λ < 10exp(-8) at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4
Signalling Type	Steady
Supply Voltage Limits	195264 V AC
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	
Protective Treatment	TH
Ambient Air Temperature For	-4070 °C
Storage Ambient Air Temperature For	
Operation .	-4070 °C
Electrical Shock Protection Class	Class I conforming to IEC 60536
Standards	UL 508
	EN/IEC 60947-1
	EN/IEC 60947-5-5 EN/IEC 60947-5-1
	CSA C22.2 No 14
	JIS C8201-5-1
	EN/IEC 60947-5-4 JIS C8201-1
Product Cartifications	
Product Certifications	UL listed CSA
	GL
	LROS (Lloyds register of shipping)
	BV
	DNV

5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6

Vibration Resistance

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
Resistance To Fast Transients	2 kV conforming to IEC 61000-4-4
Resistance To Electromagnetic Fields	10 V/m conforming to IEC 61000-4-3
Resistance To Electrostatic Discharge	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
Electromagnetic Emission	Class B conforming to IEC 55011

Packing Units

Unit Type Of Package 1	PCE
Number Of Units In Package 1	1
Package 1 Height	5.7 cm
Package 1 Width	3.4 cm
Package 1 Length	5.4 cm
Package 1 Weight	61 g
Unit Type Of Package 2	BB1
Number Of Units In Package 2	5
Package 2 Height	5.7 cm
Package 2 Width	3.4 cm
Package 2 Length	26.5 cm
Package 2 Weight	0.305 kg
Unit Type Of Package 3	S03
Number Of Units In Package 3	150
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	9.646 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

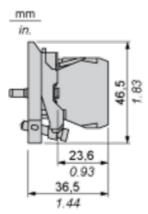
27 Apr 2024

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Dimensions Drawings

Dimensions



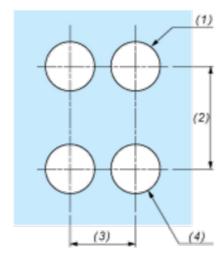
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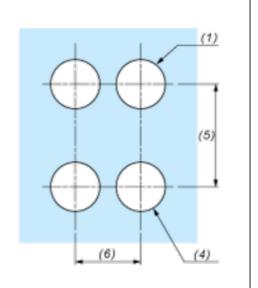
Mounting and Clearance

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

Connection by Faston Connectors





- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$)
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.