

Product data sheet

Specifications



Complete body/contact assembly and light block, Harmony XB4, red with body/fixing collar with integral LED 230...240 V 1NC

ZB4BW0M424

! Discontinued

! Discontinued on: Dec 2, 2020

! End-of-service on: Dec 31, 2020

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	Plug-in connector
Light Source	Protected LED
Bulb Base	Integral LED
Light Block Supply	Direct
Light Source Colour	Red
[Us] Rated Supply Voltage	230...240 V AC 50/60 Hz

Complementary

Cad Overall Width	1.18 in (30 mm)
Cad Overall Height	1.85 in (47 mm)
Terminals Description Iso N°1	(11-12)NC
Contacts Usage	Standard
Positive Opening	With EN/IEC 60947-5-1 appendix K
Operating Travel	0.06 in (1.5 mm) NC changing electrical state) 0.17 in (4.3 mm) total travel)
Operating Force	2 N NC changing electrical state
Mechanical Durability	5000000 cycles
Contacts Material	Silver alloy (Ag/Ni)
Short-Circuit Protection	4 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	250 V 3)EN/IEC 60947-1

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

[Uimp] Rated Impulse Withstand Voltage	4 kV EN 60947-1
[Ie] Rated Operational Current	3 A 240 V, AC-15, A300 EN/IEC 60947-5-1 6 A 120 V, AC-15, A300 EN/IEC 60947-5-1 0.1 A 250 V, DC-13, R300 EN/IEC 60947-5-1 0.22 A 125 V, DC-13, R300 EN/IEC 60947-5-1
Electrical Durability	1000000 cycles, AC-15, 1 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 1.5 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.15 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C
Electrical Reliability	$\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment EN/IEC 60947-5-4 $\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment EN/IEC 60947-5-4
Signalling Type	Steady
Supply Voltage Limits	195...264 V AC
Current Consumption	14 mA
Service Life	100000 h at rated voltage and 25 °C
Surge Withstand	1 kV IEC 61000-4-5

Environment

Protective Treatment	TH
Ambient Air Temperature For Storage	-40...158 °F (-40...70 °C)
Ambient Air Temperature For Operation	-40...158 °F (-40...70 °C)
Electrical Shock Protection Class	Class I IEC 60536
Standards	EN/IEC 60947-5-5 UL 508 CSA C22.2 No 14 EN/IEC 60947-5-1 EN/IEC 60947-5-4 JIS C8201-5-1 EN/IEC 60947-1 JIS C8201-1
Product Certifications	BV UL Listed CSA LROS (Lloyds register of shipping) DNV GL
Vibration Resistance	5 gn 2...500 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

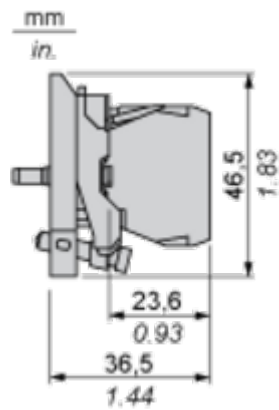
Gtin	3389110894493
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Contractual warranty

Warranty	18 months
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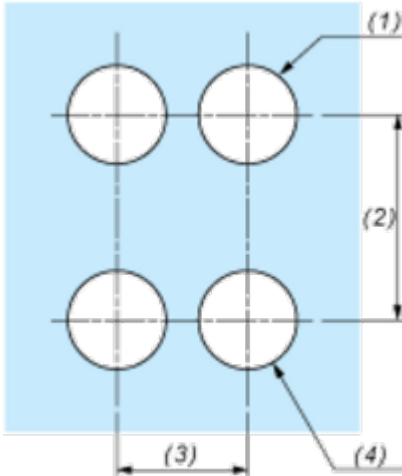
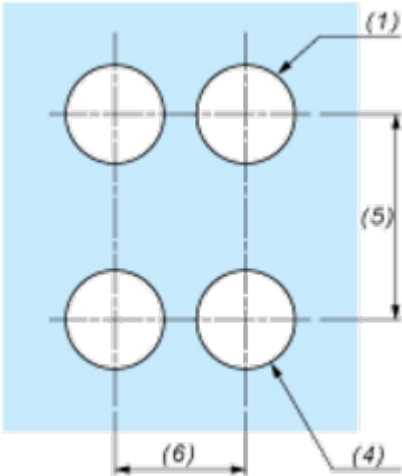
Dimensions Drawings

Dimensions



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 $^{+0.4}_0$ / 0.88 in. $^{+0.016}_0$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.	