

# Product data sheet

Specifications



## Harmony XB4, Light block with body/fixing collar, metal, red, integral LED, 24 V AC/DC, 1 NO

ZB4BW0B41

Product availability : Stock - Normally stocked in distribution facility

**Price\* : 73.00 USD**

### 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 NO
Contact operation	Slow-break
Connections - terminals	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1
Light source	Protected LED
Bulb base	Integral LED
Light block supply	Direct
Light source colour	Red
[Us] rated supply voltage	24 V AC/DC 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	(13-14)NO
Product Weight	0.14 lb(US) (0.064 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	7.08...10.62 lbf.in (0.8...1.2 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.

<b>Shape of screw head</b>	Cross Philips no 1 Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver Slotted compatible with flat Ø 5.5 mm screwdriver
<b>Contacts material</b>	Silver alloy (Ag/Ni)
<b>Short-circuit protection</b>	10 A cartridge fuse gG EN/IEC 60947-5-1
<b>[I<sub>th</sub>] conventional free air thermal current</b>	10 A EN/IEC 60947-5-1
<b>[U<sub>i</sub>] rated insulation voltage</b>	600 V 3)EN 60947-1
<b>[U<sub>imp</sub>] rated impulse withstand voltage</b>	6 kV EN 60947-1
<b>[I<sub>e</sub>] rated operational current</b>	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
<b>Electrical durability</b>	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
<b>Electrical reliability</b>	$\Lambda < 10^{\exp(-6)}$ 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
<b>Signalling type</b>	Steady
<b>Supply voltage limits</b>	19.2...30 V DC 21.6...26.4 V AC
<b>Current Consumption</b>	18 mA
<b>Service life</b>	100000 h at rated voltage and 25 °C
<b>Surge withstand</b>	1 kV IEC 61000-4-5
<b>Device presentation</b>	Basic sub-assemblies

## Environment

<b>Protective treatment</b>	TH
<b>Ambient Air Temperature for Storage</b>	-40...158 °F (-40...70 °C)
<b>Ambient Air Temperature for Operation</b>	-40...158 °F (-40...70 °C)
<b>Electrical shock protection class</b>	Class I IEC 60536
<b>Standards</b>	EN/IEC 60947-1 JIS C8201-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-1 CSA C22.2 No 14 UL 508 EN/IEC 60947-5-5 JIS C8201-1
<b>Product Certifications</b>	UL Listed GL BV CSA LROS (Lloyds register of shipping) DNV
<b>Vibration resistance</b>	5 gn 2...500 Hz)IEC 60068-2-6
<b>Shock resistance</b>	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27
<b>Resistance to fast transients</b>	2 kV IEC 61000-4-4
<b>Resistance to electromagnetic fields</b>	9.14 V/m (10 V/m) IEC 61000-4-3

<b>Resistance to electrostatic discharge</b>	6 kV on contact (on metal parts) IEC 61000-2-6 8 kV in free air (in insulating parts) IEC 61000-2-6
<b>Electromagnetic emission</b>	Class B IEC 55011

## Ordering and shipping details

<b>Category</b>	22469 - PUSHBUTTON,22MM ACCESSORIES-NEW
<b>Discount Schedule</b>	CS2
<b>GTIN</b>	3389110893168
<b>Nbr. of units in pkg.</b>	1
<b>Package weight(Lbs)</b>	2.22 oz (62.8 g)
<b>Returnability</b>	Yes
<b>Country of origin</b>	FR

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Package 1 Height</b>	2.20 in (5.6 cm)
<b>Package 1 width</b>	1.34 in (3.4 cm)
<b>Package 1 Length</b>	2.13 in (5.4 cm)
<b>Unit Type of Package 2</b>	P06
<b>Number of Units in Package 2</b>	1200
<b>Package 2 Weight</b>	199.04 lb(US) (90.284 kg)
<b>Package 2 Height</b>	30.31 in (77 cm)
<b>Package 2 width</b>	23.62 in (60 cm)
<b>Package 2 Length</b>	31.50 in (80 cm)
<b>Unit Type of Package 3</b>	S03
<b>Number of Units in Package 3</b>	150
<b>Package 3 Weight</b>	22.20 lb(US) (10.071 kg)
<b>Package 3 Height</b>	11.81 in (30 cm)
<b>Package 3 width</b>	11.81 in (30 cm)
<b>Package 3 Length</b>	15.75 in (40 cm)

## Offer Sustainability

<b>Sustainable offer status</b>	Green Premium product
<b>California proposition 65</b>	WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a>
<b>REACH Regulation</b>	<a href="#">REACH Declaration</a>
<b>REACH free of SVHC</b>	Yes
<b>EU RoHS Directive</b>	Pro-active compliance (Product out of EU RoHS legal scope) <a href="#">EU RoHS Declaration</a>
<b>Mercury free</b>	Yes
<b>RoHS exemption information</b>	<a href="#">Yes</a>
<b>China RoHS Regulation</b>	<a href="#">China RoHS declaration</a>
<b>Environmental Disclosure</b>	<a href="#">Product Environmental Profile</a>
<b>Circularity Profile</b>	<a href="#">End of Life Information</a>

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**WEEE**

The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.

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**Contractual warranty**

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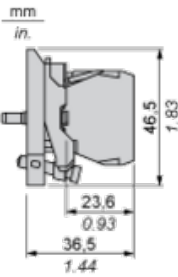
**Warranty**

18 months

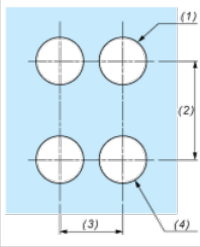
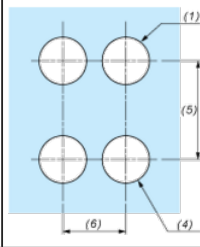
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Dimensions

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