Product data sheet

Specifications



Complete body/contact assembly and light block, Harmony XB4, with body/fixing collar, BA9s incandescent bulb, 400V, 1NO

ZB4BW051

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

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, <= 2 x 1.5 mm² with cable end IEC 60947-1 Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1
Light source	Incandescent
Bulb base	BA 9s
Light block supply	Via integral transformer 1.2 VA 6 V
[Us] rated supply voltage	400 V AC 50 Hz

Complementary

CAD overall width	1.2 in (30 mm)
CAD overall height	1.9 in (47 mm)
Terminals description ISO n°1	(13-14)NO
Product Weight	0.311 lb(US) (0.141 kg)
Contacts usage	Standard
Positive opening	Without
Operating travel	0.1 in (2.6 mm) NO changing electrical state) 0.2 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…10.6 lbf.in (0.8…1.2 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)

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

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Short-circuit protection	10 A cartridge fuse gG IEC 60947-5-1
[Ith] 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
[Ie] 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

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 conforming to IEC 60536
Standards	IEC 60947-5-4 UL 508 IEC 60947-5-5 IEC 60947-1 JIS C8201-5-1 CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-1
Product Certifications	DNV UL Listed LROS (Lloyds register of shipping) BV CSA
Vibration resistance	5 gn (f= 2…500 Hz) conforming to 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	3389110891867
Returnability	Yes
Country of origin	FR

Packing Units

Unit Type of Package 1	PCE
Nbr. of units in pkg.	1
Package 1 Height	3.465 in (8.800 cm)

Package 1 Width	1.339 in (3.400 cm)
Package 1 Length	2.126 in (5.400 cm)
Package weight(Lbs)	4.974 oz (141.000 g)
Unit Type of Package 2	S02
Number of Units in Package 2	60
Package 2 Height	5.9 in (15 cm)
Package 2 Width	11.8 in (30 cm)
Package 2 Length	15.7 in (40 cm)
Package 2 Weight	19.224 lb(US) (8.720 kg)
Unit Type of Package 3	P06
Number of Units in Package 3	960
Package 3 Height	29.528 in (75.000 cm)
Package 3 Width	31.496 in (80.000 cm)
Package 3 Length	23.622 in (60.000 cm)
Package 3 Weight	325.226 lb(US) (147.520 kg)

Contractual warranty

Warranty (in months)	18

Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

Environmental Data explained >

How we assess product sustainability >

Environmental footprint

Total lifecycle Carbon footprint	**31 kg CO2 eq.**
Carbon footprint of the manufacturing phase [A1 to A3]	**1 kg CO2 eq.**
Carbon footprint of the distribution phase [A4]	**0 kg CO2 eq.**
Carbon footprint of the installation phase [A5]	**0 kg CO2 eq.**
Carbon footprint of the use phase [B2, B3, B4, B6]	**30 kg CO2 eq.**
Carbon footprint of the end-of-life phase [C1 to C4]	**0.2 kg CO2 eq.**

Use Better

Materials and Substances

Average percentage of recycled plastic content	**37 %**
Average percentage of recycled metal content	**21 %**
Packaging made with recycled cardboard	**Yes**
Packaging without single use plastic	**Yes**
EU RoHS Directive	Compliant By Exemption
REACh Regulation	Reference contains Substances of Very High Concern above the threshold
California proposition 65	**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 www.P65Warnings.ca.gov**

Use Longer

Lifetime extension

Repair	**No**

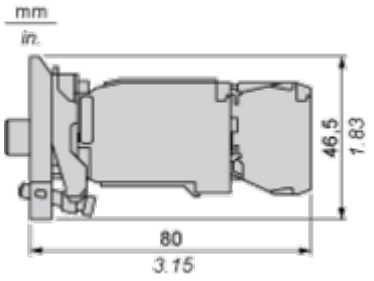
Use Again

Repack and remanufacture

Circularity Profile	End of Life Information
Take-back	**No**
WEEE Label	**The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins.**

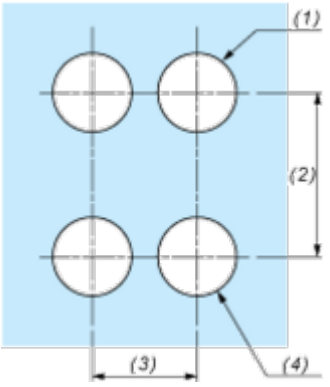
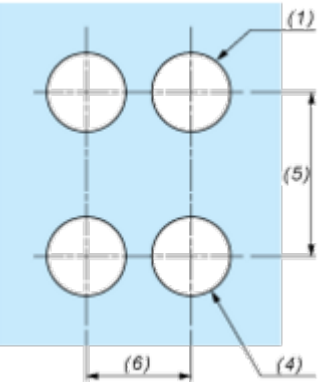
Dimensions Drawings

Dimensions



Mounting and Clearance

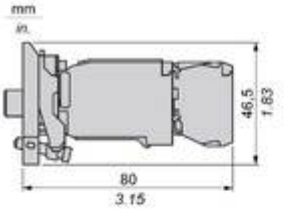
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

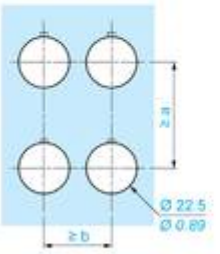
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board	Connection by Faston Connectors
	

(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 $_{0}^{+0.4}$ / 0.88 in. $_{0}^{+0.016}$)
(5) 45 mm min. / 1.78 in. min.
(6) 32 mm min. / 1.26 in. min.

Technical Illustration

Dimensions





		a (mm)	a (in.)	b (mm)	b (in.)
ZBE●●●●●	ZBV●●●●	40	1.57	30	1.18
ZBE●●●●●3	ZBV●●●●3	45	1.77	32	1.26
ZBE●●●●●4	ZBV●●●●4	40	1.57	30	1.18
ZBE●●●●●5	ZBV●●●●5	50	1.97	30	1.18
ZBE●●●●●9	ZBV●●●●9	40	1.57	30	1.18
ZBRT●	ZBRV1	40	1.57	30	1.18