

# Product data sheet

Specifications



Single contact block, Harmony XB4, silver alloy, gold flashed, screw clamp terminal, dusty environment, 1NO

ZBE1016P

## Main

<b>Range of product</b>	Harmony XB4 Harmony XB5
<b>Product or component type</b>	Contact block
<b>Device short name</b>	ZBE
<b>Sale per indivisible quantity</b>	5
<b>IP degree of protection</b>	IP5X
<b>Contact operation</b>	Slow-break
<b>Contact block type</b>	Single
<b>Contacts usage</b>	Low power switching contacts
<b>Connections - terminals</b>	Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1

## Complementary

<b>Net weight</b>	0.012 kg
<b>Contacts type and composition</b>	1 NO
<b>Positive opening</b>	Without
<b>Operating travel</b>	2.6 mm (NO changing electrical state) 4.3 mm (total travel)
<b>Operating force</b>	2.3 N NO changing electrical state
<b>Mechanical durability</b>	10000000 cycles
<b>Tightening torque</b>	0.8...1.2 N.m conforming to IEC 60947-1
<b>Shape of screw head</b>	Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat $\varnothing 4 \text{ mm}$ screwdriver Slotted compatible with flat $\varnothing 5.5 \text{ mm}$ screwdriver
<b>Contacts material</b>	Gold flashed (Ag/Ni/Au) contacts
<b>Short-circuit protection</b>	10 A cartridge fuse type gG conforming to IEC 60947-5-1
<b>[Ith] conventional free air thermal current</b>	10 A conforming to IEC 60947-5-1
<b>[Ui] rated insulation voltage</b>	600 V (pollution degree 3) conforming to IEC 60947-1
<b>[Uimp] rated impulse withstand voltage</b>	6 kV conforming to IEC 60947-1
<b>[Ie] rated operational current</b>	3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1

<b>Electrical durability</b>	1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to 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 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 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 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 IEC 60947-5-1 appendix C
<b>Mounting of block</b>	Front mounting
<b>Electrical composition code</b>	C9 (quantity <= 3) M5 (quantity <= 2) M9 (quantity <= 2)

## Environment

<b>Protective treatment</b>	TH
<b>Ambient air temperature for storage</b>	-40...70 °C
<b>Ambient air temperature for operation</b>	-40...70 °C
<b>Standards</b>	CSA C22.2 No 14 UL 508 IEC 60947-5-1 JIS C8201-5-1 IEC 60947-5-4 IEC 60947-1 JIS C8201-1
<b>Product certifications</b>	CSA BV GOST LROS (Lloyds register of shipping) DNV UL CCC
<b>Vibration resistance</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
<b>Shock resistance</b>	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

## Packing Units

<b>Unit Type of Package 1</b>	PCE
<b>Number of Units in Package 1</b>	1
<b>Package 1 Height</b>	6 cm
<b>Package 1 Width</b>	4.4 cm
<b>Package 1 Length</b>	5.4 cm
<b>Package 1 Weight</b>	10 g
<b>Unit Type of Package 2</b>	BB1
<b>Number of Units in Package 2</b>	5
<b>Package 2 Height</b>	6 cm
<b>Package 2 Width</b>	4.4 cm
<b>Package 2 Length</b>	5.4 cm
<b>Package 2 Weight</b>	57 g
<b>Unit Type of Package 3</b>	S02
<b>Number of Units in Package 3</b>	400

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<b>Package 3 Height</b>	15 cm
<b>Package 3 Width</b>	30 cm
<b>Package 3 Length</b>	40 cm
<b>Package 3 Weight</b>	4.85 kg

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## **Contractual warranty**

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<b>Warranty</b>	18 months
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## 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 1

Environmental Disclosure [Product Environmental Profile](#)

## Use Better

### Materials and Substances

Packaging made with recycled cardboard Yes

Packaging without single use plastic Yes

[EU RoHS Directive](#) Pro-active compliance (Product out of EU RoHS legal scope)

REACH Regulation [REACH Declaration](#)

California proposition 65 **WARNING:** This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Use Again

### Repack and remanufacture

End of life manual availability No need of specific recycling operations

Take-back No

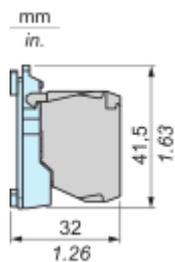
WEEE Label  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins

Dimensions Drawings

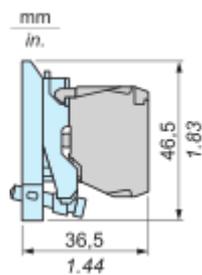
Dimensions

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with ZB5AZ009 Fixing Collar



with ZB4BZ009 Fixing Collar



Technical Illustration

Dimensions

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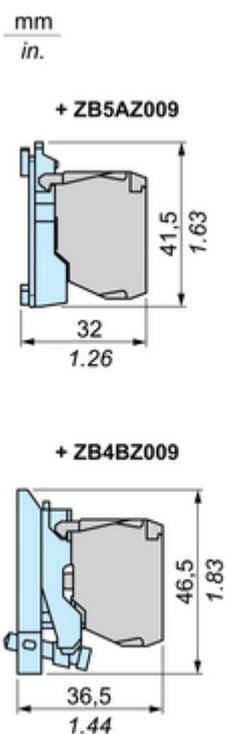


Image of product / Alternate images

Alternative

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