# Product datasheet

Specifications




## Single contact block, Harmony XB4, silver alloy, screw clamp terminal, 1NO

ZBE101

**EAN Code: 3389110089479**

**Price: 5,54 EUR**

## Main

| | |
|---|---|
| **Range of product** | Harmony XB5<br>Harmony XB4 |
| **Product or component type** | Contact block |
| **Device short name** | ZBE |
| **Sale per indivisible quantity** | 5 |
| **IP degree of protection** | IP20 conforming to IEC 60529 |
| **Contact operation** | Slow-break |
| **Contact block type** | Single |
| **Contacts usage** | Standard contacts |
| **Connections - terminals** | Screw clamp terminals, <= 2 x 1.5 mm² with cable end conforming to IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end conforming to IEC 60947-1 |

## Complementary

| | |
|---|---|
| **Net weight** | 0.011 kg |
| **Contacts type and composition** | 1 NO |
| **Positive opening** | Without |
| **Operating travel** | 2.6 mm (NO changing electrical state)<br>4.3 mm (total travel) |
| **Operating force** | 2.3 N NO changing electrical state |
| **Mechanical durability** | 10000000 cycles |
| **Tightening torque** | 0.8…1.2 N.m conforming to IEC 60947-1 |
| **Shape of screw head** | Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>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 IEC 60947-5-1 |
| **[Ith] conventional free air thermal current** | 10 A conforming to IEC 60947-5-1 |
| **[Ui] rated insulation voltage** | 600 V (pollution degree 3) conforming to IEC 60947-1 |
| **[Uimp] rated impulse withstand voltage** | 6 kV conforming to IEC 60947-1 |
| **[Ie] rated operational current** | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to IEC 60947-5-1 |

Rates duty January 2016

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

| | |
|---|---|
| **Electrical durability** | 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<br>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<br>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<br>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<br>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 |
| **Mounting of block** | Front mounting |
| **Electrical composition code** | C1 (quantity <= 9)<br>C2 (quantity <= 7)<br>C3 (quantity <= 6)<br>C4 (quantity <= 4)<br>C5 (quantity <= 5)<br>C6 (quantity <= 3)<br>C7 (quantity <= 4)<br>C8 (quantity <= 2)<br>C9 (quantity <= 3)<br>C12 (quantity <= 6)<br>M1 (quantity <= 6)<br>M2 (quantity <= 4)<br>M3 (quantity <= 4)<br>M5 (quantity <= 2)<br>M6 (quantity <= 2)<br>M7 (quantity <= 6)<br>M8 (quantity <= 4)<br>M9 (quantity <= 2)<br>SF1 (quantity <= 3)<br>SF2 (quantity <= 2)<br>MF1 (quantity <= 2)<br>MF2 (quantity <= 2)<br>C10 (quantity <= 2)<br>M4 (quantity <= 2)<br>C13 (quantity <= 1) |
| **Device presentation** | Basic element |

## Environment

| | |
|---|---|
| **Protective treatment** | TH |
| **Ambient air temperature for storage** | -40…70 °C |
| **Ambient air temperature for operation** | -40…70 °C |
| **Standards** | CSA C22.2 No 14<br>IEC 60947-5-1<br>UL 508<br>IEC 60947-1<br>JIS C8201-5-1<br>IEC 60947-5-4<br>JIS C8201-1 |
| **Product certifications** | CCC<br>UL<br>DNV<br>GOST<br>LROS (Lloyds register of shipping)<br>BV<br>CSA |
| **Vibration resistance** | 5 gn (f= 2…500 Hz) conforming to IEC 60068-2-6 |
| **Shock resistance** | 30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27<br>50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 |

## Packing Units

| | |
|---|---|
| **Unit Type of Package 1** | PCE |
| **Number of Units in Package 1** | 1 |

| | |
|---|---|
| **Package 1 Height** | 1.000 cm |
| **Package 1 Width** | 2.500 cm |
| **Package 1 Length** | 3.000 cm |
| **Package 1 Weight** | 9.000 g |
| **Unit Type of Package 2** | BB1 |
| **Number of Units in Package 2** | 5 |
| **Package 2 Height** | 4.500 cm |
| **Package 2 Width** | 5.500 cm |
| **Package 2 Length** | 5.500 cm |
| **Package 2 Weight** | 52.000 g |
| **Unit Type of Package 3** | S03 |
| **Number of Units in Package 3** | 800 |
| **Package 3 Height** | 30.000 cm |
| **Package 3 Width** | 30.000 cm |
| **Package 3 Length** | 40.000 cm |
| **Package 3 Weight** | 8.691 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 | **0.2 kg CO2 eq.** |
| Carbon footprint of the manufacturing phase [A1 to A3] | **0.1 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] | **0 kg CO2 eq.** |
| Carbon footprint of the end-of-life phase [C1 to C4] | **0 kg CO2 eq.** |
| Environmental Disclosure | Product Environmental Profile |

## Use Better

### Materials and Substances

| | |
|---|---|
| Average percentage of recycled plastic content | **23 %** |
| Average percentage of recycled metal content | **13 %** |
| Packaging made with recycled cardboard | **Yes** |
| Packaging without single use plastic | **Yes** |
| EU RoHS Directive | Compliant |
| REACh Regulation | Free of Substances of Very High Concern above the threshold |

## Use Again

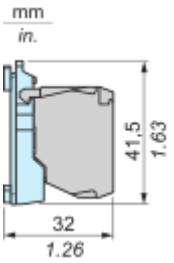
### Repack and remanufacture

| | |
|---|---|
| Recyclability potential, in % | **98** |
| End of life manual availability | **No need of specific recycling operations** |
| Take-back | **Yes** |
| 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

### with ZB5AZ009 Fixing Collar




### with ZB4BZ009 Fixing Collar

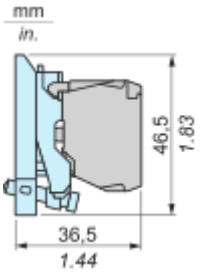
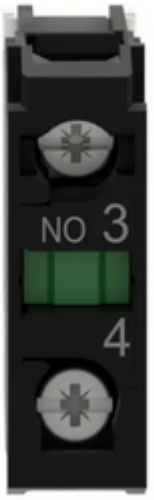


Image of product / Alternate images

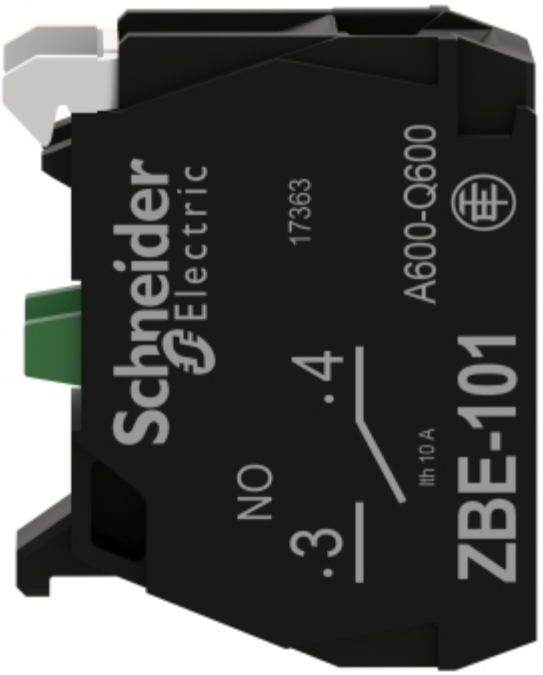
**Alternative**











Schneider Electric
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A600-Q600
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NO 3
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