

# Product datasheet

Specifications



Single contact block, Harmony XB4, Hamony XB5, silver alloy, compact push in terminals, 1 NC, pack of 100

ZBE1025TQ

## Main

|                               |                                                                                                                                                                                |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB4<br>Harmony XB5                                                                                                                                                     |
| Product or component type     | Contact block                                                                                                                                                                  |
| Device short name             | ZBE                                                                                                                                                                            |
| Sale per indivisible quantity | 100                                                                                                                                                                            |
| IP degree of protection       | IP20 conforming to IEC 60529                                                                                                                                                   |
| Contact operation             | Slow-break                                                                                                                                                                     |
| Contact block type            | Single                                                                                                                                                                         |
| Contacts usage                | Standard contacts                                                                                                                                                              |
| Connections - terminals       | Push-in, <= 2 x 1.5 mm <sup>2</sup> with wire end ferrule conforming to IEC 60947-1<br>Push-in, >= 1 x 0.34 mm <sup>2</sup> without wire end ferrule conforming to IEC 60947-1 |

## Complementary

|                                             |                                                                                                                                                                                                                                        |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                           | 34.3 mm                                                                                                                                                                                                                                |
| CAD overall height                          | 14.8 mm                                                                                                                                                                                                                                |
| CAD overall depth                           | 9.8 mm                                                                                                                                                                                                                                 |
| Net weight                                  | 0.005 kg                                                                                                                                                                                                                               |
| Contacts type and composition               | 1 NC                                                                                                                                                                                                                                   |
| Positive opening                            | With conforming to IEC 60947-5-1 appendix K                                                                                                                                                                                            |
| Operating travel                            | 1.217 mm (NC changing electrical state)<br>4.3 mm (total travel)                                                                                                                                                                       |
| Operating force                             | 2.25 N NC changing electrical state                                                                                                                                                                                                    |
| Mechanical durability                       | 10000000 cycles                                                                                                                                                                                                                        |
| 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               | 300 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                   |
| [Uimp] rated impulse withstand voltage      | 4 kV conforming to IEC 60947-1                                                                                                                                                                                                         |
| [Ie] rated operational current              | 6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1<br>3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q300 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q300 conforming to IEC 60947-5-1 |
| Mounting of block                           | Front mounting                                                                                                                                                                                                                         |

## Environment

Excluding VAT, FCA Jabal Ali & are subject to change – check with your local distributor.

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

|                                       |                                                                                                                                                                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                                                                                                                                                                  |
| Ambient air temperature for storage   | -40...70 °C                                                                                                                                                                                                                                                         |
| Ambient air temperature for operation | -40...70 °C                                                                                                                                                                                                                                                         |
| Standards                             | IEC 60947-1<br>IEC 60947-5-1<br>IEC 60947-5-4<br>IEC 60947-5-5<br>UL 60947-1<br>UL 60947-5-1<br>UL 60947-5-5<br>UL 1059<br>UL 486E<br>CSA C22.2 No 60947-1<br>CSA C22.2 No 60947-5-1<br>CSA C22.2 No 158<br>CSA C22.2 No 65<br>IACS E10                             |
| Product certifications                | EAC<br>IECEE CB Scheme<br>CCC<br>UL<br>CSA                                                                                                                                                                                                                          |
| Vibration resistance                  | 5 gn (f= 10...500 Hz) conforming to IEC 60068-2-6<br>25 mm peak to peak (f= 2...10 Hz) conforming to IEC 60068-2-6                                                                                                                                                  |
| Shock resistance                      | 25 gn (duration = 6 ms) for 1000 shocks on each axis conforming to IEC 60068-2-27<br>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             | 1.9 cm |
| Package 1 Width              | 1 cm   |
| Package 1 Length             | 3.4 cm |
| Package 1 Weight             | 5 g    |
| Unit Type of Package 2       | S01    |
| Number of Units in Package 2 | 100    |
| Package 2 Height             | 15 cm  |
| Package 2 Width              | 15 cm  |
| Package 2 Length             | 40 cm  |
| Package 2 Weight             | 700 g  |

## 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 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0 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. |

## 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           | No                                                         |
| <a href="#">EU RoHS Directive</a>              | Pro-active compliance (Product out of EU RoHS legal scope) |
| REACH Regulation                               | <a href="#">REACH Declaration</a>                          |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



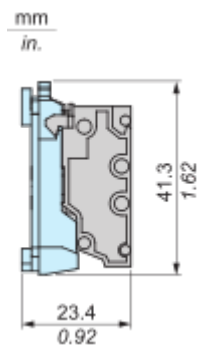
### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %   | 98                                                                                                                                                                                                              |
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| 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 |

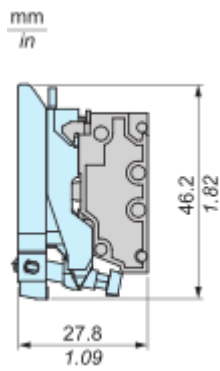
Dimensions Drawings

Dimensions

with ZB5AZ009 Fixing Collar



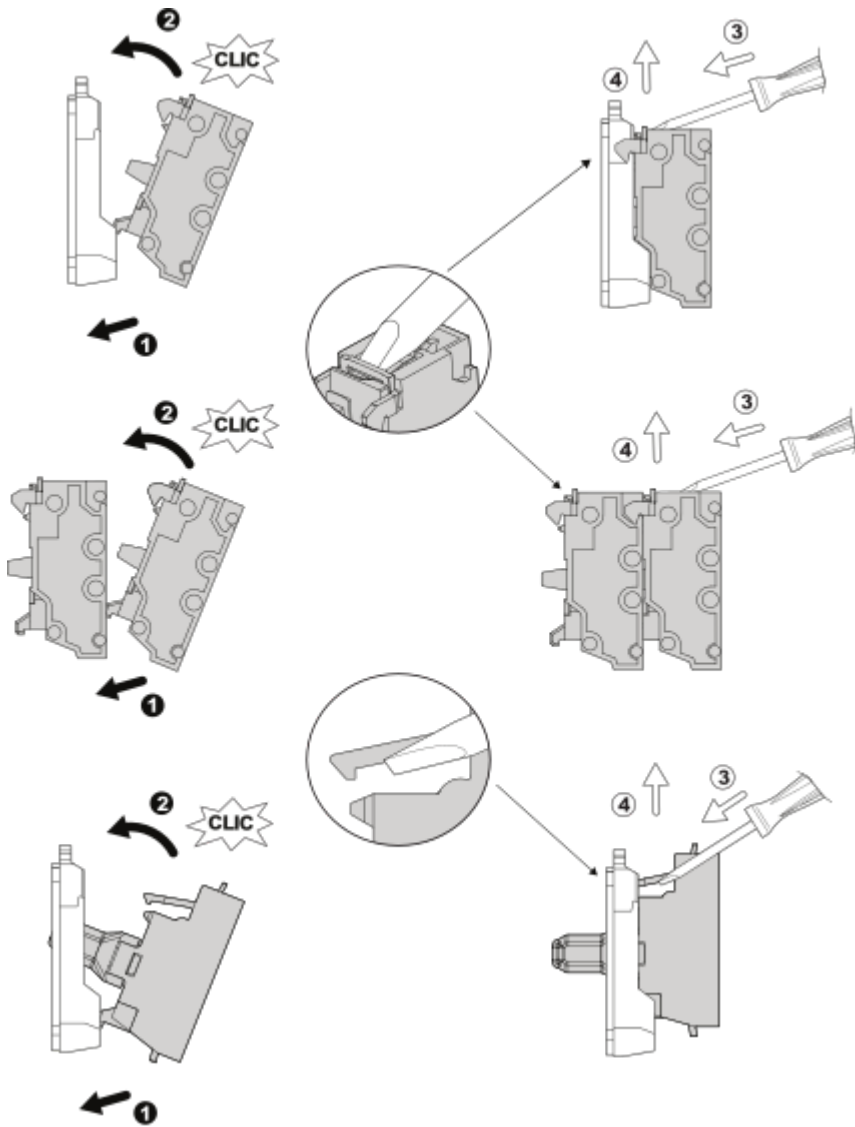
with ZB4BZ009 Fixing Collar



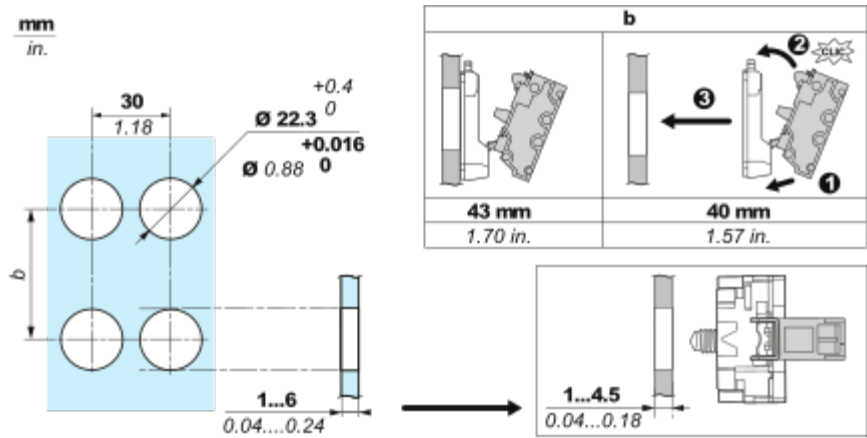
Mounting and Clearance

Mounting

Mounting and Unmounting



Panel cut-out Dimension



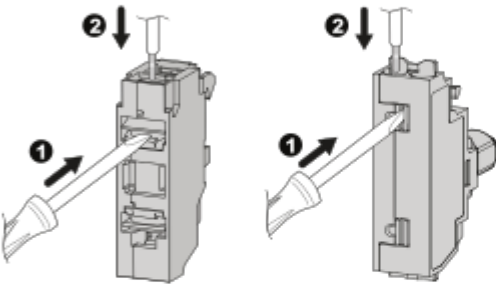
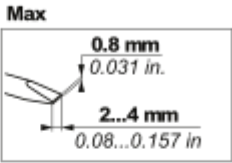
Connections and Schema

Wiring

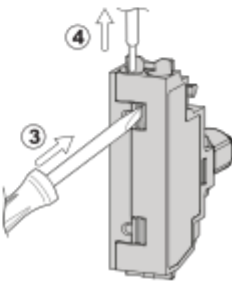
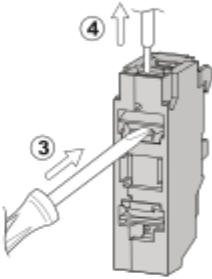
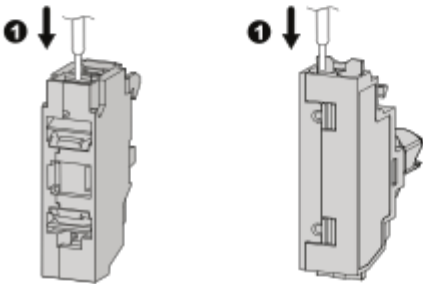
Wiring and Unwiring



|     |            |
|-----|------------|
| mm  | 8          |
| in. | 0.32       |
| mm² | 0.34...1.5 |
| AWG | 22...16    |

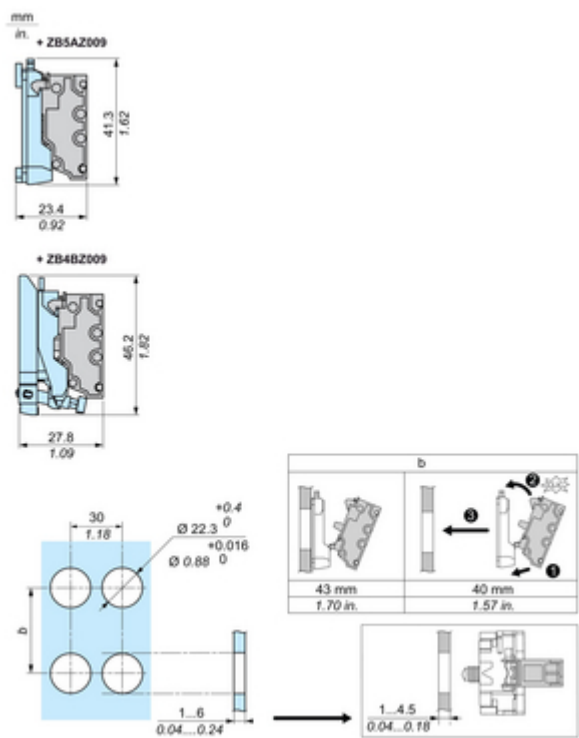


|     |            |          |            |
|-----|------------|----------|------------|
| mm  | 8          | 8        | 8          |
| in. | 0.32       | 0.32     | 0.32       |
| mm² | 0.34...1.5 | 0.34...1 | 0.34...1.5 |
| AWG | 22...16    | 22...18  | 22...16    |



Technical Illustration

Dimensions



Technical Illustration

Wiring diagram

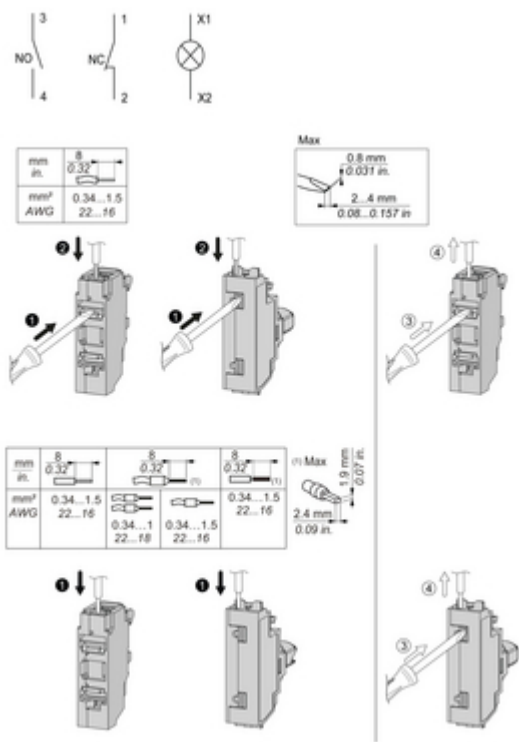


Image of product in real life situation

