

# Product data sheet

Specifications



Single contact block with body fixing collar, Harmony XB4, metal, screw clamp terminal, 1NO+1NC

ZB4BZ105

## Main

|                               |  |
|-------------------------------|--|
| Range Of Product              | Harmony XB4  |
| Product Or Component Type     | Complete body/contact assembly   |
| Device Short Name             | ZB4  |
| Fixing Collar Material        | Zamak  |
| Sale Per Indivisible Quantity | 1  |
| Head Type                     | Standard   |
| Contacts Type And Composition | 1 NO + 1 NC  |
| Contact Operation             | Slow-break   |
| Contact Block Type            | Single   |
| Device Composition            | Fixing collar<br>Body  |
| Connections - Terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to IEC 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1 |

## Complementary

|                               |   |
|-------------------------------|---|
| Cad Overall Width             | 30 mm   |
| Cad Overall Height            | 47 mm   |
| Cad Overall Depth             | 37 mm   |
| Terminals Description Iso N°1 | (11-12)NC   |
| Net Weight                    | 0.062 kg  |
| Contacts Usage                | Standard contacts   |
| Positive Opening              | With conforming to IEC 60947-5-1 appendix K   |
| Operating Travel              | 1.5 mm (NC changing electrical state)<br>2.6 mm (NO changing electrical state)<br>4.3 mm (total travel)   |
| Operating Torque              | 0.05 N.m NO changing electrical state   |
| Mechanical Durability         | 5000000 cycles  |
| Tightening Torque             | 0.8...1.2 N.m conforming to IEC 60947-1   |
| Shape Of Screw Head           | Cross compatible with Philips no 1 screwdriver<br>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   |

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

|   |   |
|---|---|
| [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  |
| Electrical Durability                       | 10000000 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>10000000 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>10000000 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>10000000 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>10000000 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 |
| Electrical Reliability                      | $\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to IEC 60947-5-4   |
| Device Presentation                         | Basic sub-assemblies  |

## Environment

|                                       |  |
|---------------------------------------|--|
| Protective Treatment                  | TH   |
| Ambient Air Temperature For Storage   | -40...70 °C  |
| Ambient Air Temperature For Operation | -40...70 °C  |
| Ip Degree Of Protection               | IP20 conforming to IEC 60529   |
| Standards                             | IEC 60947-1<br>JIS C8201-5-1<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>IEC 60947-5-5<br>UL 508<br>IEC 60947-5-4<br>JIS C8201-1  |
| Product Certifications                | GL<br>DNV<br>LROS (Lloyds register of shipping)<br>CSA<br>BV<br>UL   |
| Vibration Resistance                  | 5 gn ( $f = 2 \dots 500$ 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             | 4.400 cm |
| Package 1 Width              | 3.400 cm |
| Package 1 Length             | 5.400 cm |
| Package 1 Weight             | 61.000 g |

|                              |           |
|------------------------------|-----------|
| Unit Type Of Package 2       | BB1       |
| Number Of Units In Package 2 | 5         |
| Package 2 Height             | 4.400 cm  |
| Package 2 Width              | 3.400 cm  |
| Package 2 Length             | 26.500 cm |
| Package 2 Weight             | 305.000 g |
| Unit Type Of Package 3       | S03       |
| Number Of Units In Package 3 | 200       |
| Package 3 Height             | 30.000 cm |
| Package 3 Width              | 30.000 cm |
| Package 3 Length             | 40.000 cm |
| Package 3 Weight             | 12.752 kg |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

## Sustainability

**Green Premium™** label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



Transparency   RoHS/REACH

## Well-being performance

✓ Reach Free Of Svhc

✓ Toxic Heavy Metal Free

✓ Mercury Free

✓ Rohs Exemption Information   Yes

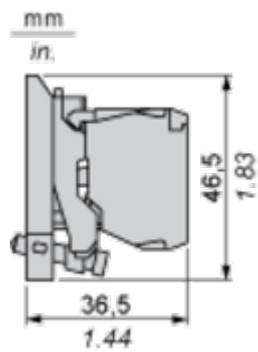
## Certifications & Standards

|                           |   |
|---------------------------|---|
| Reach Regulation          | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>   |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>   |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| Circularity Profile       | <a href="#">End of Life Information</a>   |
| 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 <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Dimensions Drawings

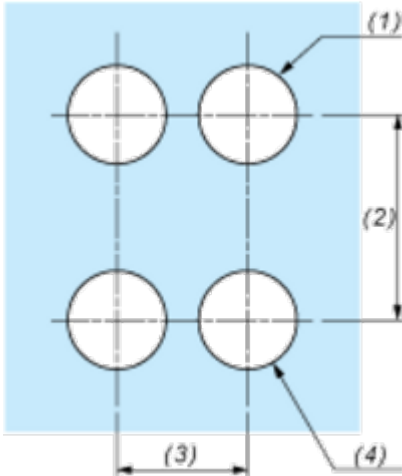
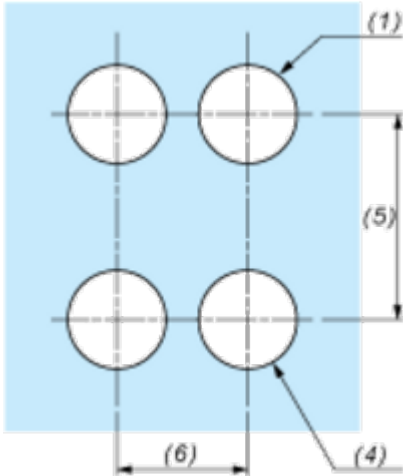
Dimensions

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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  |
|---|--|
|    |  |
| <div>(1) Diameter on finished panel or support</div> <div>(2) 40 mm min. / 1.57 in. min.</div> <div>(3) 30 mm min. / 1.18 in. min.</div> <div>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm<sup>+0.4</sup><sub>0</sub> / 0.88 in.<sup>+0.016</sup><sub>0</sub>)</div> <div>(5) 45 mm min. / 1.78 in. min.</div> <div>(6) 32 mm min. / 1.26 in. min.</div> |  |