

Product data sheet

Specifications



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

ZB4BZ101

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 |
| Contact Operation | Slow-break |
| Contact Block Type | Single |
| Device Composition | Fixing collar Body |
| Connections - Terminals | 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

| | |
|-------------------------------|---|
| Cad Overall Width | 30 mm |
| Cad Overall Height | 47 mm |
| Cad Overall Depth | 37 mm |
| Terminals Description Iso N°1 | (13-14)NO |
| Net Weight | 0.053 kg |
| Contacts Usage | Standard contacts |
| Positive Opening | Without |
| Operating Travel | 2.6 mm (NO changing electrical state) 4.3 mm (total travel) |
| Operating Force | 2.3 N NO changing electrical state |
| 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 Cross compatible with pozidriv No 1 screwdriver Slotted compatible with flat Ø 4 mm screwdriver 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 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 |
| 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 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 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 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 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 $\Lambda < 10\exp(-8)$ 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 | CSA C22.2 No 14 IEC 60947-5-1 UL 508 JIS C8201-5-1 IEC 60947-5-4 IEC 60947-5-5 IEC 60947-1 JIS C8201-1 |
| Product Certifications | BV GL UL DNV CSA LROS (Lloyds register of shipping) |
| 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 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 | 52.000 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 | 260.000 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 | 10.884 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-CO₂ 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

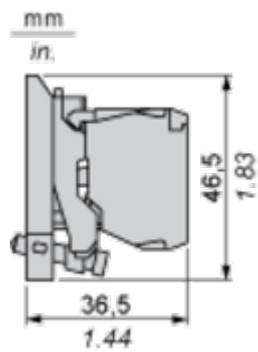
| | | |
|---|----------------------------|-----|
| ✓ | Reach Free Of Svhc | |
| ✓ | Toxic Heavy Metal Free | |
| ✓ | Mercury Free | |
| ✓ | Rohs Exemption Information | Yes |

Certifications & Standards

| | |
|---------------------------|---|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Weee | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |
| Circularity Profile | End of Life Information |
| 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 |

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 |
|---|---------------------------------|
| | |
| <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^{+0.4}₀ / 0.88 in.^{+0.016}₀)</div> <div>(5) 45 mm min. / 1.78 in. min.</div> <div>(6) 32 mm min. / 1.26 in. min.</div> | |