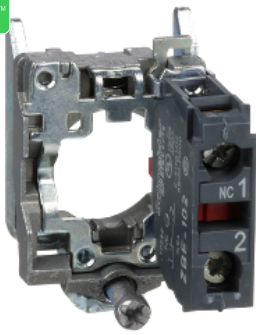


Product datasheet

Specifications



Single contact block with body/fixing collar, metal, screw clamp terminal, 1 NC

Local distributor code: 23707348 ZB4BZ102

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 NC |
| Contact operation | Slow-break |
| Contact block type | Single |
| Device composition | Body Fixing collar |
| Connections - terminals | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1 Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 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 | 0.053 kg |
| Contacts usage | Standard contacts |
| Positive opening | With conforming to EN/IEC 60947-5-1 appendix K |
| Operating travel | 1.5 mm (NC changing electrical state) 4.3 mm (total travel) |
| Operating force | 2 N NC changing electrical state |
| Mechanical durability | 5000000 cycles |
| Tightening torque | 0.8...1.2 N.m conforming to EN 60947-1 |
| Shape of screw head | Cross compatible with Philips no 1 screwdriver 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 |
| Contacts material | Silver alloy (Ag/Ni) |

| | |
|---|--|
| Short-circuit protection | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1 |
| [I_{th}] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1 |
| [U_i] rated insulation voltage | 600 V (pollution degree 3) conforming to EN 60947-1 |
| [U_{imp}] rated impulse withstand voltage | 6 kV conforming to EN 60947-1 |
| [I_e] rated operational current | 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1 6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1 0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1 1.2 A at 600 V, AC-15, A600 conforming to EN/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 EN/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 EN/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 EN/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 EN/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 EN/IEC 60947-5-1 appendix C |
| Electrical reliability | $\Lambda < 10\text{exp}(-6)$ at 5 V, 1 mA in clean environment conforming to EN/IEC 60947-5-4 $\Lambda < 10\text{exp}(-8)$ at 17 V, 5 mA in clean environment conforming to EN/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 EN/IEC 60947-5-5 EN/IEC 60947-5-1 UL 508 JIS C8201-5-1 EN/IEC 60947-1 EN/IEC 60947-5-4 JIS C8201-1 |
| Product certifications | BV GL CSA LROS (Lloyds register of shipping) UL DNV |
| 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 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 Weight | 52 g |
| Package 1 Height | 3.4 cm |
| Package 1 width | 4.4 cm |
| Package 1 Length | 5.4 cm |
| Unit Type of Package 2 | BB1 |
| Number of Units in Package 2 | 5 |
| Package 2 Weight | 260 g |

| | |
|------------------------------|----------|
| Package 2 Height | 3.4 cm |
| Package 2 width | 4.4 cm |
| Package 2 Length | 26.5 cm |
| Unit Type of Package 3 | S03 |
| Number of Units in Package 3 | 200 |
| Package 3 Weight | 10.92 kg |
| Package 3 Height | 30 cm |
| Package 3 width | 30 cm |
| Package 3 Length | 40 cm |

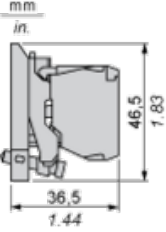
Offer Sustainability

| | |
|----------------------------|---|
| Sustainable offer status | Green Premium product |
| REACH Regulation | REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information | Yes |
| China RoHS Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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

Dimensions



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 |
|---|--|
|  |  |
| <p>(1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) \varnothing 22.5 mm / 0.89 in. recommended (\varnothing 22.3 mm $_0^{+0.4}$ / 0.88 in. $_0^{+0.016}$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p> | |