



## 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            | Double   |
| Contacts usage                | Standard contacts  |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1 |

## Complementary

|  |  |
|--|--|
| Net weight   | 0.02 Kg  |
| Contacts type and composition                            | 2 NO   |
| Positive opening   | Without  |
| Operating travel   | 2.6 Mm (NO changing electrical state)<br>4.3 Mm (total travel)   |
| Operating force  | 5 N NO changing electrical state   |
| Mechanical durability                                    | 10000000 Cycles  |
| Tightening torque  | 0.8...1.2 N.M conforming to EN 60947-1   |
| Shape of screw head                                      | Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat $\varnothing 4 \text{ mm}$ screwdriver<br>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 <sub>th</sub> ] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1  |
| [U <sub>i</sub> ] rated insulation voltage               | 600 V (pollution degree 3) conforming to EN 60947-1  |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 KV conforming to EN 60947-1  |
| [I <sub>e</sub> ] rated operational current              | 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1 |

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|                             |  |
|-----------------------------|--|
| Electrical durability       | 1000000 Cycles, AC-15, 1 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 1.5 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, AC-15, 3 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.15 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 Cycles, DC-13, 0.4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |
| Mounting of block           | Front mounting   |
| Electrical composition code | C2 (quantity <= 3)<br>C4 (quantity <= 2)<br>C6 (quantity <= 2)<br>C8 (quantity <= 1)<br>C10 (quantity <= 2)<br>C13 (quantity <= 3)<br>M2 (quantity <= 2)<br>M4 (quantity <= 2)<br>M8 (quantity <= 2)   |
| 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>EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>JIS C8201-5-1<br>UL 508<br>JIS C8201-1  |
| Product certifications                | GOST<br>DNV<br>CSA<br>UL<br>LROS (Lloyds register of shipping)<br>CCC<br>GL<br>BV  |
| 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 Weight             | 18 G     |
| Package 1 Height             | 4.4 Cm   |
| Package 1 width              | 5.2 Cm   |
| Package 1 Length             | 5.8 Cm   |
| Unit Type of Package 2       | BB1      |
| Number of Units in Package 2 | 5        |
| Package 2 Weight             | 92 G     |
| Package 2 Height             | 4.4 Cm   |
| Package 2 width              | 5.2 Cm   |
| Package 2 Length             | 5.8 Cm   |
| Unit Type of Package 3       | S02      |
| Number of Units in Package 3 | 400      |
| Package 3 Weight             | 7.879 Kg |
| Package 3 Height             | 15 Cm    |
| Package 3 width              | 30 Cm    |
| Package 3 Length             | 40 Cm    |

## Offer Sustainability

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

## Contractual warranty

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

Product Life Status : **Commercialised**