



## Main

|                               |                              |
|-------------------------------|------------------------------|
| Range of product              | Harmony XB4<br>Harmony XB5   |
| 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            | Single                       |
| Contacts usage                | Standard contacts            |
| Connections - terminals       | Plug-in connector            |

## Complementary

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Net weight                                  | 0.011 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Contacts type and composition               | 1 NO                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Positive opening                            | Without                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Operating travel                            | 2.6 Mm (NO changing electrical state)<br>4.3 mm (total travel)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Operating force                             | 2.3 N NO changing electrical state                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Mechanical durability                       | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Contacts material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Short-circuit protection                    | 4 A cartridge fuse type gG conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Ith] conventional free air thermal current | 10 A conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [Ui] rated insulation voltage               | 250 V (pollution degree 3) conforming to EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [Uimp] rated impulse withstand voltage      | EN 60947-1 4 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [Ie] rated operational current              | 3 A at 240 V, AC-15, A300 conforming to EN/IEC 60947-5-1<br>6 A at 120 V, AC-15, A300 conforming to EN/IEC 60947-5-1<br>0.1 A at 250 V, DC-13, R300 conforming to EN/IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 conforming to EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                            |
| 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                 | C11 (quantity <= 3)<br>C14 (quantity <= 2)<br>M10 (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                             | JIS C8201-5-1<br>UL 508<br>EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>JIS C8201-1                                                            |
| Product certifications                | CSA<br>UL<br>DNV<br>RINA<br>GL<br>LROS (Lloyds register of shipping)<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             | 8 g    |
| Package 1 Height             | 4.5 cm |
| Package 1 width              | 5.4 cm |
| Package 1 Length             | 5.7 cm |
| Unit Type of Package 2       | BB1    |
| Number of Units in Package 2 | 5      |
| Package 2 Weight             | 44 g   |
| Package 2 Height             | 4.5 cm |
| Package 2 width              | 5.4 cm |
| Package 2 Length             | 5.7 cm |
| Unit Type of Package 3       | S03    |
| Number of Units in Package 3 | 800    |
| Package 3 Weight             | 7.7 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           |  <a href="#">REACH Declaration</a>                                                                |
| 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 |
| <b>Contractual warranty</b> |                                                                                                                             |
| Warranty                    | 18 months                                                                                                                   |