



## 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 IEC 60529             |
| Contacts type and composition | 1 NO                       |
| Contact operation             | Slow-break                 |
| Contact block type            | Single                     |
| Contacts usage                | Standard contacts          |
| Connections - terminals       | Plug-in connector          |

## Complementary

|  |  |
|--|--|
| Product weight   | 0.011 kg   |
| 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 gG EN/IEC 60947-5-1   |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A EN/IEC 60947-5-1  |
| [U <sub>i</sub> ] rated insulation voltage               | 250 V 3 EN 60947-1   |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 4 kV EN 60947-1  |
| [I <sub>e</sub> ] rated operational current              | 3 A 240 V AC-15 A300 EN/IEC 60947-5-1<br>6 A 120 V AC-15 A300 EN/IEC 60947-5-1<br>0.1 A 250 V DC-13 R300 EN/IEC 60947-5-1<br>0.22 A 125 V DC-13 R300 EN/IEC 60947-5-1  |
| Electrical durability                                    | 1000000 cycles AC-15 1 A 230 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles AC-15 1.5 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles AC-15 3 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles DC-13 0.15 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles DC-13 0.4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C |

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

|                             |  |
|-----------------------------|--|
| Electrical reliability      | $\Lambda < 10\exp(-7)$ 1 mA in clean environment EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 5 mA in clean environment EN/IEC 60947-5-4 |
| Mounting of block           | Front mounting   |
| Condition of use            | Mounting on push-button collar   |
| Electrical composition code | C11 $\leq$ 3<br>C14 $\leq$ 2<br>M10 $\leq$ 2   |
| Compatibility code          | ZBE  |

## 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 60947-5-4<br>EN/IEC 60947-5-1<br>JIS C 4520<br>EN/IEC 60947-1<br>UL 508                |
| Product certifications                | BV<br>CSA<br>LROS (Lloyds register of shipping)<br>RINA<br>GL<br>UL<br>DNV                                       |
| Vibration resistance                  | 5 gn 2...500 Hz IEC 60068-2-6  |
| Shock resistance                      | 30 gn 18 ms half sine wave acceleration IEC 60068-2-27<br>50 gn 11 ms half sine wave acceleration IEC 60068-2-27 |

## Contractual warranty

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