



## Main

|                               |                                                                                                                                                                          |
|-------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB5                                                                                                                                                              |
| Product or component type     | Contact block with body/fixing collar                                                                                                                                    |
| Device short name             | ZB5                                                                                                                                                                      |
| Fixing collar material        | Zamak                                                                                                                                                                    |
| Sale per indivisible quantity | 1                                                                                                                                                                        |
| Contacts type and composition | 2 NC                                                                                                                                                                     |
| Contact block type            | Single                                                                                                                                                                   |
| Connections - terminals       | Screw clamp terminals $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1<br>Screw clamp terminals $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1 |

## Complementary

|                                                          |                                                                                                                                                                                                                                                                                                                                                                                                 |
|----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product weight                                           | 0,03 kg                                                                                                                                                                                                                                                                                                                                                                                         |
| Contact operation                                        | Slow-break                                                                                                                                                                                                                                                                                                                                                                                      |
| Contacts usage                                           | Standard contacts                                                                                                                                                                                                                                                                                                                                                                               |
| Positive opening                                         | With EN/IEC 60947-5-1 appendix K                                                                                                                                                                                                                                                                                                                                                                |
| Operating travel                                         | 1,5 mm NC changing electrical state<br>4,3 mm total travel                                                                                                                                                                                                                                                                                                                                      |
| Mechanical durability                                    | 5000000 cycles                                                                                                                                                                                                                                                                                                                                                                                  |
| Tightening torque                                        | 0,8...1,2 N.m EN 60947-1                                                                                                                                                                                                                                                                                                                                                                        |
| Shape of screw head                                      | Cross pozidriv No 1<br>Cross Philips no 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm                                                                                                                                                                                                                                                                                                       |
| Contacts material                                        | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                            |
| Short circuit protection                                 | 10 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               | 600 V 3 EN 60947-1                                                                                                                                                                                                                                                                                                                                                                              |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 6 kV EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                 |
| [I <sub>e</sub> ] rated operational current              | 0,1 A 600 V DC-13 Q600 EN/IEC 60947-5-1<br>0,27 A 250 V DC-13 Q600 EN/IEC 60947-5-1<br>0,55 A 125 V DC-13 Q600 EN/IEC 60947-5-1<br>1,2 A 600 V AC-15 A600 EN/IEC 60947-5-1<br>3 A 240 V AC-15 A600 EN/IEC 60947-5-1<br>6 A 120 V AC-15 A600 EN/IEC 60947-5-1                                                                                                                                    |
| Electrical durability                                    | 1000000 cycles AC-15 4 A 24 V 3600 cyc/h 0,5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles AC-15 3 A 120 V 3600 cyc/h 0,5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles AC-15 2 A 230 V 3600 cyc/h 0,5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles DC-13 0,5 A 24 V 3600 cyc/h 0,5 EN/IEC 60947-5-1 appendix C<br>1000000 cycles DC-13 0,2 A 110 V 3600 cyc/h 0,5 EN/IEC 60947-5-1 appendix C |
| Electrical reliability IEC 60947-5-4                     | $\Lambda < 10\exp(-6)$ 5 V 1 mA in clean environment EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ 17 V 5 mA in clean environment EN/IEC 60947-5-4                                                                                                                                                                                                                                                 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. 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. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

## Environment

|                                       |                                                                                                                       |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                    |
| Ambient air temperature for storage   | -40...70 °C                                                                                                           |
| Ambient air temperature for operation | -25...70 °C                                                                                                           |
| IP degree of protection               | IP20 IEC 60529                                                                                                        |
| Standards                             | CSA C22-2 No 14<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-5<br>JIS C 4520<br>UL 508 |
| Product certifications                | BV<br>CSA<br>DNV (Det Norske Veritas)<br>GL<br>LROS<br>RINA<br>UL                                                     |
| 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      |
| RoHS EUR conformity date              | 0727                                                                                                                  |
| RoHS EUR status                       | Compliant                                                                                                             |