



### Main

|                               |                                                                                                                                                                            |
|-------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Harmony XB5<br>Harmony XB4                                                                                                                                                 |
| Product or component type     | Contact block                                                                                                                                                              |
| Device short name             | ZBE                                                                                                                                                                        |
| Sale per indivisible quantity | 100                                                                                                                                                                        |
| IP degree of protection       | IP20 IEC 60529                                                                                                                                                             |
| Contacts type and composition | 1 NO                                                                                                                                                                       |
| Contact operation             | Slow-break                                                                                                                                                                 |
| Contact block type            | Single                                                                                                                                                                     |
| Contacts usage                | Low power switching contacts                                                                                                                                               |
| Connections - terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end EN 60947-1 |

### Complementary

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Positive opening                            | Without                                                                                                                                                                                                                                                                                                                                                                                                   |
| Operating travel                            | 0.10 in (2.6 mm) NO changing electrical state<br>0.17 in (4.3 mm) total travel)                                                                                                                                                                                                                                                                                                                           |
| Operating force                             | 2.3 N NO changing electrical state                                                                                                                                                                                                                                                                                                                                                                        |
| Mechanical durability                       | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                           |
| Tightening torque                           | 7.08...10.62 lbf.in (0.8...1.2 N.m) EN 60947-1                                                                                                                                                                                                                                                                                                                                                            |
| Shape of screw head                         | Cross pozidriv No 1<br>Slotted flat $\varnothing 4 \text{ mm}$<br>Slotted flat $\varnothing 5.5 \text{ mm}$                                                                                                                                                                                                                                                                                               |
| Contacts material                           | Gold flashed (Ag/Ni/Au) contacts                                                                                                                                                                                                                                                                                                                                                                          |
| Short-circuit protection                    | 10 A cartridge fuse gG EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                   |
| [Ith] conventional free air thermal current | 10 A EN/IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                     |
| [Ui] rated insulation voltage               | 600 V 3)EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                        |
| [Uimp] rated impulse withstand voltage      | 6 kV EN 60947-1                                                                                                                                                                                                                                                                                                                                                                                           |
| [Ie] rated operational current              | 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<br>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                                                                                                                                  |
| Electrical durability                       | 1000000 Cycles, AC-15, 2 A 230 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, 4 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<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 5 \times 10^{\exp(-8)}$ , 1 mA in clean environment EN/IEC 60947-5-4                                                                                                                                                                                                                                                                                                                           |
| Mounting of block                           | Front mounting                                                                                                                                                                                                                                                                                                                                                                                            |

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.

|                             |                                                                                                                                                                                                                                      |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Condition of use            | Mounting on push-button collar                                                                                                                                                                                                       |
| Electrical composition code | C1 9)<br>C2 7)<br>C3 6)<br>C4 4)<br>C5 5)<br>C6 3)<br>C7 4)<br>C8 2)<br>C9 3)<br>C12 6)<br>M1 6)<br>M2 4)<br>M3 4)<br>M5 2)<br>M6 2)<br>M7 6)<br>M8 4)<br>M9 2)<br>SF1 3)<br>SF2 2)<br>MF1 2)<br>MF2 2)<br>C10 2)<br>M4 2)<br>C13 1) |

## Environment

|                                       |                                                                                                                     |
|---------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| Protective treatment                  | TH                                                                                                                  |
| Ambient air temperature for storage   | -40...158 °F (-40...70 °C)                                                                                          |
| Ambient air temperature for operation | -40...158 °F (-40...70 °C)                                                                                          |
| Standards                             | EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>UL 508<br>EN/IEC 60947-5-4<br>EN/IEC 60947-1<br>JIS C8201-1 |
| Product certifications                | UL<br>DNV<br>GOST<br>BV<br>RINA<br>CCC<br>GL<br>CSA<br>LROS (Lloyds register of shipping)                           |
| 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  |

## Ordering and shipping details

|                     |                        |
|---------------------|------------------------|
| GTIN                | 03389110606089         |
| Package weight(Lbs) | 0.00 lb(US) (0.001 kg) |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Height | 0.560 dm |
| Package 1 width  | 0.440 dm |
| Package 1 Length | 0.540 dm |

## Contractual warranty

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