

# ZB5AZ1014

Complete body/contact assembly, Harmony XB5, single contact block with body/fixing collar  
1 NO plug in connector



## Main

|                               |                                |
|-------------------------------|--------------------------------|
| Range of product              | Harmony XB5                    |
| Product or component type     | Complete body/contact assembly |
| Device short name             | ZB5                            |
| Fixing collar material        | Plastic                        |
| Sale per indivisible quantity | 1                              |
| Head type                     | Standard                       |
| Contacts type and composition | 1 NO                           |
| Contact operation             | Slow-break                     |
| Contact block type            | Single                         |
| Connections - terminals       | Plug-in connector              |

## Complementary

|  |   |
|--|---|
| CAD overall width  | 30 mm   |
| CAD overall height                                       | 42 mm   |
| CAD overall depth  | 32 mm   |
| Terminals description ISO n°1                            | (13-14)NO   |
| Net weight   | 0.018 kg  |
| Device composition                                       | Body<br>Fixing collar   |
| Contacts usage   | Standard contacts   |
| 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 IEC 60947-5-1  |
| [I <sub>th</sub> ] conventional free air thermal current | 10 A conforming to IEC 60947-5-1  |
| [U <sub>i</sub> ] rated insulation voltage               | 250 V (pollution degree 3) conforming to IEC 60947-1  |
| [U <sub>imp</sub> ] rated impulse withstand voltage      | 4 kV conforming to IEC 60947-1  |
| [I <sub>e</sub> ] rated operational current              | 3 A at 240 V, AC-15, A300 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A300 conforming to IEC 60947-5-1<br>0.1 A at 250 V, DC-13, R300 conforming to IEC 60947-5-1<br>0.22 A at 125 V, DC-13, R300 conforming to 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 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 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 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 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 IEC 60947-5-1 appendix C |
| Electrical reliability                                   | $\Lambda < 10\exp(-6)$ at 5 V, 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V, 5 mA in clean environment conforming to 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 | -40...70 °C  |
| IP degree of protection               | IP20 conforming to IEC 60529   |
| Standards                             | CSA C22.2 No 14<br>JIS C8201-5-1<br>IEC 60947-5-1<br>UL 508<br>IEC 60947-1<br>IEC 60947-5-4<br>JIS C8201-1   |
| Product certifications                | CSA[RETURN]DNV[RETURN]BV[RETURN]GL[RETURN]UL[RETURN]LROS<br>(Lloyds register of shipping)  |
| 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 Height             | 3.05 cm  |
| Package 1 Width              | 4.32 cm  |
| Package 1 Length             | 5.33 cm  |
| Package 1 Weight             | 0.02 kg  |
| Unit Type of Package 2       | S01      |
| Number of Units in Package 2 | 75       |
| Package 2 Height             | 15 cm    |
| Package 2 Width              | 15 cm    |
| Package 2 Length             | 40 cm    |
| Package 2 Weight             | 1.575 kg |

## 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  |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>   |
| RoHS exemption information |  <a href="#">Yes</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  |

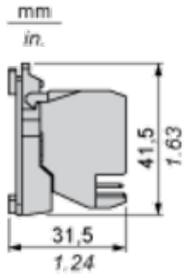
## Contractual warranty

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

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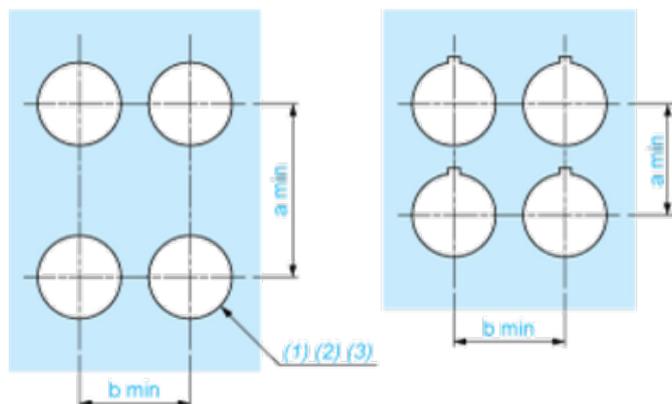
Dimensions

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Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

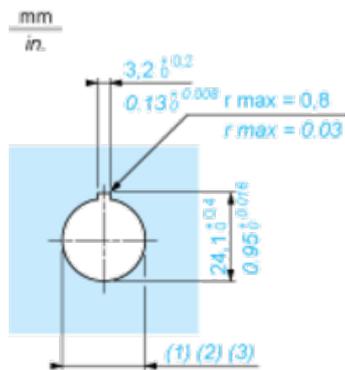
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88$  in.  $_0^{+0.016}$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors                          | 45      | 1.77     | 32      | 1.26     |
| On printed circuit board                      | 30      | 1.18     | 30      | 1.18     |

Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3)  $\varnothing 22.5$  mm recommended ( $\varnothing 22.3_0^{+0.4}$ ) /  $\varnothing 0.89$  in. recommended ( $\varnothing 0.88$  in.  $_0^{+0.016}$ )