# Product data sheet

Specifications





Complete body/contact assembly and light block, Harmony XB5, XB4, with body/fixing collar, BA9s bulb, 250V, 1NC

ZB5AW062

Product availability: Non-Stock - Not normally stocked in distribution facility

#### Price\*: 82.50 USD

### Main

| Range of ProductHarmony XB5Product or Component TypeComplete body/contact assembly and light blockDevice short nameZB5Fixing collar materialPlasticSale per indivisible quantity1Head typeStandardContacts type and composition1 NCContact operationSlow-breakConnections - terminalsScrew clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1Light sourceBulb not includedBulb baseBA 9sLight block supplyDirect <2.4 W |                               |  |  |  |  |
|---|-------------------------------|--|--|--|--|
| Device short name ZB5   Fixing collar material Plastic   Sale per indivisible quantity 1   Head type Standard   Contacts type and composition 1 NC   Contact operation Slow-break   Connections - terminals Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1   Light source Bulb not included   Bulb base BA 9s   | Range of Product              | Harmony XB5                                    |  |  |  |
| Fixing collar material   Plastic     Sale per indivisible quantity   1     Head type   Standard     Contacts type and composition   1 NC     Contact operation   Slow-break     Connections - terminals   Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1     Light source   Bulb not included     Bulb base   BA 9s   | Product or Component Type     | Complete body/contact assembly and light block |  |  |  |
| Sale per indivisible quantity   1     Head type   Standard     Contacts type and composition   1 NC     Contact operation   Slow-break     Connections - terminals   Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1     Light source   Bulb not included     Bulb base   BA 9s  | Device short name             | ZB5  |  |  |  |
| Head type Standard   Contacts type and composition 1 NC   Contact operation Slow-break   Connections - terminals Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1   Light source Bulb not included   Bulb base BA 9s  | Fixing collar material        | Plastic  |  |  |  |
| Contacts type and composition   1 NC     Contact operation   Slow-break     Connections - terminals   Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1  | Sale per indivisible quantity | 1  |  |  |  |
| Contact operation Slow-break   Connections - terminals Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1<br>Screw clamp terminals, >= 1 x 0.22 mm² without cable end IEC 60947-1   Light source Bulb not included   Bulb base BA 9s  | Head type                     | Standard                                       |  |  |  |
| Connections - terminals   Screw clamp terminals, <= 2 x 1.5 mm² with cable end IEC 60947-1  | Contacts type and composition | 1 NC   |  |  |  |
| Light source Bulb not included   Bulb base BA 9s  | Contact operation             | Slow-break                                     |  |  |  |
| Bulb base BA 9s   | Connections - terminals       |  |  |  |  |
|   | Light source                  | Bulb not included                              |  |  |  |
| Light block supply Direct <2.4 W  | Bulb base                     | BA 9s  |  |  |  |
|   | Light block supply            | Direct <2.4 W                                  |  |  |  |

## Complementary

| e emprementar y               |   |
|-------------------------------|---|
| CAD overall width             | 1.2 in (30 mm)  |
| CAD overall height            | 1.7 in (42 mm)  |
| CAD overall depth             | 1.3 in (32 mm)  |
| Terminals description ISO n°1 | (11-12)NC   |
| Net Weight                    | 0.068 lb(US) (0.031 kg)   |
| Contacts usage                | Standard  |
| Positive opening              | With IEC 60947-5-1 appendix K   |
| Operating travel              | 0.06 in (1.5 mm) NC changing electrical state)<br>0.2 in (4.3 mm) total travel)           |
| Operating force               | 2 N NC changing electrical state  |
| Mechanical durability         | 5000000 cycles  |
| Tightening torque             | 7.0810.6 lbf.in (0.81.2 N.m) IEC 60947-1  |
| Shape of screw head           | Cross Philips no 1<br>Cross pozidriv No 1<br>Slotted flat Ø 4 mm<br>Slotted flat Ø 5.5 mm |

Price is "List Price" and may be subject to a trade discount - check with your local distributor or retailer for actual price.

| Contacts material                           | Silver alloy (Ag/Ni)   |  |  |  |
|---|--|--|--|--|
| Short-circuit protection                    | 10 A cartridge fuse gG IEC 60947-5-1   |  |  |  |
| [Ith] conventional free air thermal current | 10 A IEC 60947-5-1   |  |  |  |
| [Ui] rated insulation voltage               | 600 V 3)IEC 60947-1  |  |  |  |
| [Uimp] rated impulse withstand voltage      | 6 kV IEC 60947-1   |  |  |  |
| [le] rated operational current              | 3 A 240 V, AC-15, A600 IEC 60947-5-1<br>6 A 120 V, AC-15, A600 IEC 60947-5-1<br>0.1 A 600 V, DC-13, Q600 IEC 60947-5-1<br>0.27 A 250 V, DC-13, Q600 IEC 60947-5-1<br>0.55 A 125 V, DC-13, Q600 IEC 60947-5-1<br>1.2 A 600 V, AC-15, A600 IEC 60947-5-1   |  |  |  |
| Electrical durability                       | 1000000 cycles, AC-15, 2 A 230 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A 120 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A 110 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A 24 V 3600 cyc/h 0.5 IEC 60947-5-1 appendix C |  |  |  |
| Electrical reliability                      | $\Lambda$ < 10exp(-6) 5 V 1 mA in clean environment IEC 60947-5-4 $\Lambda$ < 10exp(-8) 17 V 5 mA in clean environment IEC 60947-5-4   |  |  |  |
| Signalling type                             | Steady   |  |  |  |
| [Us] rated supply voltage                   | <= 250 V   |  |  |  |
| device presentation                         | Basic sub-assemblies   |  |  |  |

## Environment

| protective treatment                     | тн   |  |  |
|--|--|--|--|
| Ambient Air Temperature for<br>Storage   | -40.000000000158.000000000 °F (-4070 °C)   |  |  |
| Ambient Air Temperature for<br>Operation | -40.000000000158.0000000000 °F (-4070 °C)  |  |  |
| Electrical shock protection class        | Class II IEC 60536   |  |  |
| Standards                                | UL 508<br>IEC 60947-5-4<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>IEC 60947-5-1<br>IEC 60947-1<br>JIS C8201-1         |  |  |
| Product Certifications                   | GL<br>BV<br>LROS (Lloyds register of shipping)<br>UL Listed<br>CSA<br>DNV  |  |  |
| Vibration resistance                     | 5 gn 2500 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

| Category          | US10CS222469  |
|-------------------|---------------|
| Discount Schedule | 0CS2          |
| GTIN              | 3389110909722 |
| Returnability     | No            |
| Country of origin | FR            |

# **Packing Units**

| Unit Type of Package 1       | PCE                      |
|------------------------------|--------------------------|
| Number of Units in Package 1 | 1                        |
| Package 1 Height             | 1.5 in (3.7 cm)          |
| Package 1 Width              | 1.9 in (4.7 cm)          |
| Package 1 Length             | 2.2 in (5.5 cm)          |
| Package 1 Weight             | 1.0 oz (28 g)            |
| Unit Type of Package 2       | BB1                      |
| Number of Units in Package 2 | 5                        |
| Package 2 Height             | 1.8 in (4.5 cm)          |
| Package 2 Width              | 1.3 in (3.4 cm)          |
| Package 2 Length             | 10.4 in (26.5 cm)        |
| Package 2 Weight             | 5.08 oz (144 g)          |
| Unit Type of Package 3       | S03                      |
| Number of Units in Package 3 | 200                      |
| Package 3 Height             | 11.8 in (30 cm)          |
| Package 3 Width              | 11.8 in (30 cm)          |
| Package 3 Length             | 15.7 in (40 cm)          |
| Package 3 Weight             | 13.854 lb(US) (6.284 kg) |
|                              |                          |

## **Contractual warranty**

Warranty

18 months

## Sustainability Screen Premium

**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Yes

Learn more about Green Premium >

Guide to assess a product's sustainability >



Transparency RoHS/REACh

### Well-being performance

Mercury Free

Rohs Exemption Information

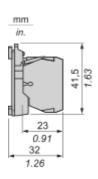
## **Certifications & Standards**

| Reach Regulation            | REACh Declaration   |  |  |  |
|-----------------------------|---|--|--|--|
| Eu Rohs Directive           | Pro-active compliance (Product out of EU RoHS legal scope)  |  |  |  |
| China Rohs Regulation       | China RoHS declaration  |  |  |  |
| Environmental Disclosure    | Product Environmental Profile   |  |  |  |
|                             |   |  |  |  |
| Weee                        | The product must be disposed on European Union markets following specific waste<br>collection and never end up in rubbish bins. |  |  |  |
| Weee<br>Circularity Profile |   |  |  |  |

# Product data sheet

### **Dimensions Drawings**

#### Dimensions

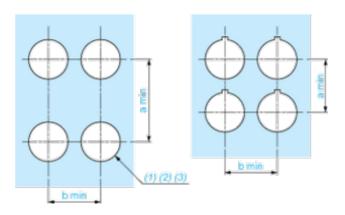


#### **ZB5AW062** Product data sheet

Mounting and Clearance

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

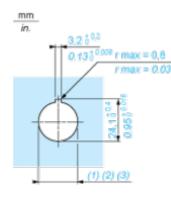


(1) Diameter on finished panel or support

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

| 5   |         |          |         | 0        |
|---|---------|----------|---------|----------|
| 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)  $\emptyset$ 22.5 mm recommended ( $\emptyset$ 22.3  $_0^{+0.4}$ ) /  $\emptyset$ 0.89 in. recommended ( $\emptyset$ 0.88 in.  $_0^{+0.016}$ )