# Product data sheet

Specifications





Complete body/contact assembly and light block, Harmony XB4, universal LED, body/fixing collar, 1NO + 1NC, 24V

ZB4BW0B154



(!) Discontinued on: Jun 30, 2023

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

#### Main

| Range Of Product              | Harmony XB4                                    |
|-------------------------------|--|
| Product Or Component Type     | Complete body/contact assembly and light block |
| Device Short Name             | ZB4  |
| Fixing Collar Material        | Zamak  |
| Sale Per Indivisible Quantity | 1  |
| Head Type                     | Standard                                       |
| Contacts Type And Composition | 1 NO + 1 NC                                    |
| Contact Operation             | Slow-break                                     |
| Connections - Terminals       | Plug-in connector                              |
| Light Source                  | Universal LED                                  |
| Bulb Base                     | Integral LED                                   |
| Light Block Supply            | Direct   |
| Light Source Colour           | White  |
| [Us] Rated Supply Voltage     | 24 V AC/DC 50/60 Hz                            |

#### Complementary

| Cad Overall Width             | 1.18 in (30 mm)  |
|-------------------------------|--|
| Cad Overall Height            | 1.85 in (47 mm)  |
| Terminals Description Iso N°1 | (11-12)NC  |
| Contacts Usage                | Standard   |
| Positive Opening              | With EN/IEC 60947-5-1 appendix K   |
| Operating Travel              | 0.06 in (1.5 mm) NC changing electrical state) 0.10 in (2.6 mm) NO changing electrical state) 0.17 in (4.3 mm) total travel) |
| Operating Force               | 2 N NC changing electrical state 2.3 N NO changing electrical state  |
| Operating Torque              | 0.44 lbf.in (0.05 N.m) NO changing electrical state  |
| Mechanical Durability         | 5000000 cycles   |
| Contacts Material             | Silver alloy (Ag/Ni)   |
| Short-Circuit Protection      | 4 A cartridge fuse gG EN/IEC 60947-5-1   |

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

| [Ith] Conventional Free Air<br>Thermal Current | 10 A EN/IEC 60947-5-1  |
|--|--|
| [Ui] Rated Insulation Voltage                  | 250 V 3)EN/IEC 60947-1   |
| [Uimp] Rated Impulse Withstand<br>Voltage      | 4 kV EN 60947-1  |
| [le] 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 1000000 cycles, AC-15, 1.5 A 120 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, AC-15, 3 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.15 A 110 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C 1000000 cycles, DC-13, 0.4 A 24 V 3600 cyc/h 0.5 EN/IEC 60947-5-1 appendix C |
| Electrical Reliability                         | $\Lambda$ < 10exp(-6) 5 V 1 mA in clean environment EN/IEC 60947-5-4 $\Lambda$ < 10exp(-8) 17 V 5 mA in clean environment EN/IEC 60947-5-4   |
| Signalling Type                                | Steady   |
| Supply Voltage Limits                          | 19.230 V DC<br>21.626.4 V AC   |
| Current Consumption                            | 18 mA  |
| Service Life                                   | 100000 h at rated voltage and 25 °C  |
| Surge Withstand                                | 1 kV IEC 61000-4-5   |

### **Environment**

| Protective Treatment                     | тн  |
|--|---|
| Ambient Air Temperature For Storage      | -40158 °F (-4070 °C)  |
| Ambient Air Temperature For Operation    | -40158 °F (-4070 °C)  |
| <b>Electrical Shock Protection Class</b> | Class I IEC 60536   |
| Standards                                | EN/IEC 60947-5-5<br>EN/IEC 60947-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-5-1<br>JIS C8201-5-1<br>UL 508<br>CSA C22.2 No 14<br>JIS C8201-1 |
| Product Certifications                   | UL Listed DNV LROS (Lloyds register of shipping) BV GL CSA  |
| 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                      |
| Resistance To Fast Transients            | 2 kV IEC 61000-4-4  |
| Resistance To Electromagnetic Fields     | 9.14 V/m (10 V/m) IEC 61000-4-3   |
| Resistance To Electrostatic<br>Discharge | 6 kV on contact (on metal parts) IEC 61000-2-6<br>8 kV in free air (in insulating parts) IEC 61000-2-6                                  |
| Electromagnetic Emission                 | Class B IEC 55011   |

# Ordering and shipping details

| Category          | US10CS222469 |
|-------------------|--------------|
| Discount Schedule | 0CS2         |

| Gtin              | 3389110894011 |
|-------------------|---------------|
| Returnability     | No            |
| Country Of Origin | FR            |

# **Packing Units**

| Unit Type Of Package 1       | PCE              |
|------------------------------|------------------|
| Number Of Units In Package 1 | 1                |
| Package 1 Height             | 2.20 in (5.6 cm) |
| Package 1 Width              | 1.34 in (3.4 cm) |
| Package 1 Length             | 2.13 in (5.4 cm) |
| Package 1 Weight             | 2.35 oz (66.5 g) |

## **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.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

### Well-being performance



Mercury Free



Rohs Exemption Information

Yes

#### **Certifications & Standards**

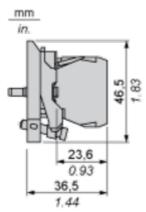
| Reach Regulation                | REACh Declaration  |
|---------------------------------|--|
| Eu Rohs Directive               | Pro-active compliance (Product out of EU RoHS legal scope)   |
| China Rohs Regulation           | China RoHS declaration   |
| <b>Environmental Disclosure</b> | Product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

### **Product data sheet**

### **ZB4BW0B154**

### **Dimensions Drawings**

### **Dimensions**

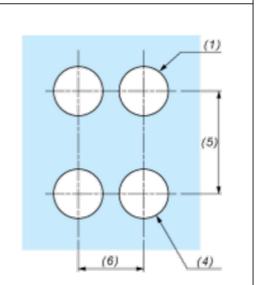


#### Mounting and Clearance

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

**Connectors or on Printed Circuit Board** (1)(2)(3)(4)

Connection by Screw Clamp Terminals or Plug-in



**Connection by Faston Connectors** 

- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.