

# Product data sheet

Specifications



Light block with body fixing collar,  
Harmony XB4, metal, green, integral  
LED, 230...240V AC, 1NO

ZB4BW0M31

⚠ Discontinued on: Apr 5, 2023

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Important message: All colored LED are replaced with a single  
Universal LED block for use with new illuminated heads (more  
information at [se.com/harmonyxb4](https://se.com/harmonyxb4) or [se.com/harmonyxb5](https://se.com/harmonyxb5))

## 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   |
| Contact Operation             | Slow-break   |
| Connections - Terminals       | Screw clamp terminals, $\leq 2 \times 1.5 \text{ mm}^2$ with cable end conforming to EN 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to EN 60947-1 |
| Light Source                  | Protected LED  |
| Bulb Base                     | Integral LED   |
| Light Block Supply            | Direct   |
| Light Source Colour           | Green  |
| [Us] Rated Supply Voltage     | 230...240 V AC at 50/60 Hz   |

## Complementary

|                               |  |
|-------------------------------|--|
| Cad Overall Width             | 30 mm  |
| Cad Overall Height            | 47 mm  |
| Terminals Description Iso N°1 | (13-14)NO  |
| Net Weight                    | 0.064 kg   |
| Contacts Usage                | Standard   |
| 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                             |
| Operating Torque              | 0.05 N.m NO changing electrical state                          |
| Mechanical Durability         | 5000000 cycles   |
| Tightening Torque             | 0.8...1.2 N.m conforming to EN 60947-1                         |

Disclaimer: 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

|   |   |
|---|---|
| Shape Of Screw Head                         | Cross compatible with Philips no 1 screwdriver<br>Cross compatible with pozidriv No 1 screwdriver<br>Slotted compatible with flat Ø 4 mm screwdriver<br>Slotted compatible with flat Ø 5.5 mm screwdriver   |
| Contacts Material                           | Silver alloy (Ag/Ni)  |
| Short-Circuit Protection                    | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1  |
| [Ith] Conventional Free Air Thermal Current | 10 A conforming to EN/IEC 60947-5-1   |
| [Ui] Rated Insulation Voltage               | 600 V (pollution degree 3) conforming to EN 60947-1   |
| [Uimp] Rated Impulse Withstand Voltage      | 6 kV conforming to EN 60947-1   |
| [Ie] Rated Operational Current              | 3 A at 240 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to EN/IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to EN/IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to EN/IEC 60947-5-1  |
| Electrical Durability                       | 1000000 cycles, AC-15, 2 A at 230 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 3 A at 120 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, AC-15, 4 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.2 A at 110 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C<br>1000000 cycles, DC-13, 0.5 A at 24 V, operating rate <3600 cyc/h, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |
| Electrical Reliability                      | $\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to EN/IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to EN/IEC 60947-5-4   |
| Signalling Type                             | Steady  |
| Supply Voltage Limits                       | 195...264 V AC  |
| Current Consumption                         | 14 mA   |
| Service Life                                | 100000 h at rated voltage and 25 °C   |
| Surge Withstand                             | 1 kV conforming to IEC 61000-4-5  |
| Device Presentation                         | Basic sub-assemblies  |

## Environment

|                                       |   |
|---------------------------------------|---|
| Protective Treatment                  | TH  |
| Ambient Air Temperature For Storage   | -40...70 °C   |
| Ambient Air Temperature For Operation | -40...70 °C   |
| Electrical Shock Protection Class     | Class I conforming to IEC 60536   |
| Standards                             | EN/IEC 60947-5-1<br>CSA C22.2 No 14<br>EN/IEC 60947-5-5<br>UL 508<br>JIS C8201-5-1<br>EN/IEC 60947-5-4<br>EN/IEC 60947-1<br>JIS C8201-1 |
| Product Certifications                | LROS (Lloyds register of shipping)<br>GL<br>UL listed<br>BV<br>CSA<br>DNV   |
| 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 |
| Resistance To Fast Transients         | 2 kV conforming to IEC 61000-4-4   |
| Resistance To Electromagnetic Fields  | 10 V/m conforming to IEC 61000-4-3   |
| Resistance To Electrostatic Discharge | 6 kV on contact (on metal parts) conforming to IEC 61000-2-6<br>8 kV in free air (in insulating parts) conforming to IEC 61000-2-6   |
| Electromagnetic Emission              | Class B conforming to IEC 55011  |

## Packing Units

|                              |            |
|------------------------------|------------|
| Unit Type Of Package 1       | PCE        |
| Number Of Units In Package 1 | 1          |
| Package 1 Height             | 5.600 cm   |
| Package 1 Width              | 3.400 cm   |
| Package 1 Length             | 5.400 cm   |
| Package 1 Weight             | 61.000 g   |
| Unit Type Of Package 2       | S03        |
| Number Of Units In Package 2 | 200        |
| Package 2 Height             | 30.000 cm  |
| Package 2 Width              | 30.000 cm  |
| Package 2 Length             | 40.000 cm  |
| Package 2 Weight             | 12.727 kg  |
| Unit Type Of Package 3       | P06        |
| Number Of Units In Package 3 | 1600       |
| Package 3 Height             | 77.000 cm  |
| Package 3 Width              | 80.000 cm  |
| Package 3 Length             | 60.000 cm  |
| Package 3 Weight             | 114.900 kg |

## Contractual warranty

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

## Sustainability

**Green Premium™ label** is Schneider Electric's commitment to delivering products with best-in-class 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](#)

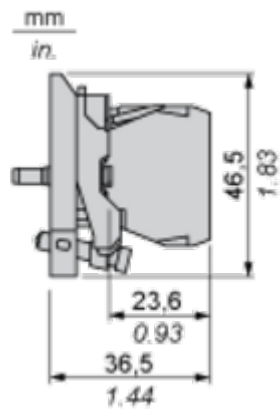
## Certifications & Standards

|                           |   |
|---------------------------|---|
| Reach Regulation          | <a href="#">REACH Declaration</a>   |
| Eu Rohs Directive         | Pro-active compliance (Product out of EU RoHS legal scope)  |
| China Rohs Regulation     | <a href="#">China RoHS declaration</a>  |
| Environmental Disclosure  | <a href="#">Product Environmental Profile</a>   |
| Weee                      | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins   |
| Circularity Profile       | <a href="#">End of Life Information</a>   |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Lead and lead compounds, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to <a href="http://www.P65Warnings.ca.gov">www.P65Warnings.ca.gov</a> |

Dimensions Drawings

Dimensions

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