

# Product datasheet

Specifications



## Complete body/contact assembly and light block, Harmony XB4, metal, universal LED, body/fixing collar, 1NO, 24V AC DC

Local distributor code:

237104122

ZB4BW0B11

EAN Code: 3389110893083

### 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 IEC 60947-1<br>Screw clamp terminals, $\geq 1 \times 0.22 \text{ mm}^2$ without cable end conforming to IEC 60947-1 |
| Light source                  | Universal LED                                                                                                                                                                                            |
| Bulb base                     | Integral LED                                                                                                                                                                                             |
| Light block supply            | Direct                                                                                                                                                                                                   |
| Light source colour           | White                                                                                                                                                                                                    |
| [Us] rated supply voltage     | 24 V AC/DC at 50/60 Hz                                                                                                                                                                                   |

### Complementary

|                               |                                                                                                                                                                                                           |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width             | 30 mm                                                                                                                                                                                                     |
| CAD overall height            | 47 mm                                                                                                                                                                                                     |
| Terminals description ISO n°1 | (13-14)NO                                                                                                                                                                                                 |
| Product 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 IEC 60947-1                                                                                                                                                                   |
| 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 |

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

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Contacts material                           | Silver alloy (Ag/Ni)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Short-circuit protection                    | 10 A cartridge fuse type gG conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| [Ith] conventional free air thermal current | 10 A conforming to IEC 60947-5-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| [Ui] rated insulation voltage               | 600 V (pollution degree 3) conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [Uimp] rated impulse withstand voltage      | 6 kV conforming to IEC 60947-1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| [Ie] rated operational current              | 3 A at 240 V, AC-15, A600 conforming to IEC 60947-5-1<br>6 A at 120 V, AC-15, A600 conforming to IEC 60947-5-1<br>0.1 A at 600 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.27 A at 250 V, DC-13, Q600 conforming to IEC 60947-5-1<br>0.55 A at 125 V, DC-13, Q600 conforming to IEC 60947-5-1<br>1.2 A at 600 V, AC-15, A600 conforming to 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 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 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 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 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 IEC 60947-5-1 appendix C |
| Electrical reliability                      | $\Lambda < 10\exp(-6)$ at 5 V and 1 mA in clean environment conforming to IEC 60947-5-4<br>$\Lambda < 10\exp(-8)$ at 17 V and 5 mA in clean environment conforming to IEC 60947-5-4                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Signalling type                             | Steady                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Supply voltage limits                       | 19.2...30 V DC<br>21.6...26.4 V AC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Current consumption                         | 18 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                             | IEC 60947-5-5<br>IEC 60947-1<br>CSA C22.2 No 14<br>IEC 60947-5-1<br>UL 508<br>IEC 60947-5-4<br>JIS C8201-5-1<br>JIS C8201-1                                                    |
| Product certifications                | DNV<br>UL listed<br>LROS (Lloyds register of shipping)<br>BV<br>CSA                                                                                                            |
| 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             | 5.700 cm  |
| Package 1 Width              | 3.400 cm  |
| Package 1 Length             | 5.200 cm  |
| Package 1 Weight             | 61.000 g  |
| Unit Type of Package 2       | S03       |
| Number of Units in Package 2 | 150       |
| Package 2 Height             | 30.000 cm |
| Package 2 Width              | 30.000 cm |
| Package 2 Length             | 40.000 cm |
| Package 2 Weight             | 9.612 kg  |
| Unit Type of Package 3       | P06       |
| Number of Units in Package 3 | 1200      |
| Package 3 Height             | 75.000 cm |
| Package 3 Width              | 60.000 cm |
| Package 3 Length             | 80.000 cm |
| Package 3 Weight             | 88.276 kg |

## Logistical informations

|                   |    |
|-------------------|----|
| Country of origin | FR |
|-------------------|----|

## Contractual warranty

|                      |    |
|----------------------|----|
| Warranty (in months) | 18 |
|----------------------|----|



## Environmental Data

Schneider Electric aims to achieve Net Zero status by 2050 through supply chain partnerships, lower impact materials, and circularity via our ongoing “Use Better, Use Longer, Use Again” campaign to extend product lifetimes and recyclability.

[Environmental Data explained >](#)

[How we assess product sustainability >](#)



### Environmental footprint

|                                                        |                                               |
|--------------------------------------------------------|-----------------------------------------------|
| Total lifecycle Carbon footprint                       | 7 kg CO2 eq.                                  |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.5 kg CO2 eq.                                |
| Carbon footprint of the distribution phase [A4]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the installation phase [A5]        | 0 kg CO2 eq.                                  |
| Carbon footprint of the use phase [B2, B3, B4, B6]     | 6 kg CO2 eq.                                  |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0.1 kg CO2 eq.                                |
| Environmental Disclosure                               | <a href="#">Product Environmental Profile</a> |

## Use Better



### Materials and Substances

|                                                |                                                                                        |
|------------------------------------------------|----------------------------------------------------------------------------------------|
| Average percentage of recycled plastic content | 37 %                                                                                   |
| Average percentage of recycled metal content   | 21 %                                                                                   |
| Packaging made with recycled cardboard         | Yes                                                                                    |
| Packaging without single use plastic           | Yes                                                                                    |
| SCIP Number                                    | Deee1f73-6ec6-4e21-8d08-42313aa4ca17                                                   |
| EU RoHS Directive                              | <a href="#">Compliant By Exemption</a>                                                 |
| REACH Regulation                               | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

|        |    |
|--------|----|
| Repair | No |
|--------|----|

## Use Again



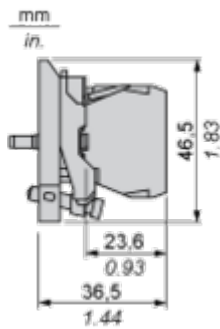
### Repack and remanufacture

|                                 |                                                                                                                                                                                                                 |
|---------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Recyclability potential, in %   | 75                                                                                                                                                                                                              |
| End of life manual availability | <a href="#">End of Life Information</a>                                                                                                                                                                         |
| Take-back                       | No                                                                                                                                                                                                              |
| WEEE Label                      |  The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Dimensions Drawings

Dimensions

---



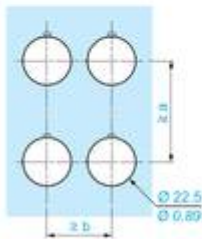
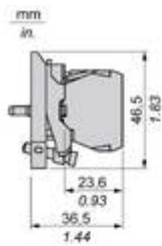
Mounting and Clearance

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<sub>0</sub><sup>+0.4</sup> / 0.88 in.<sub>0</sub><sup>+0.016</sup>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p> |                                 |

Technical Illustration

Dimensions



|           |           | a (mm) | a (in.) | b (mm) | b (in.) |
|-----------|-----------|--------|---------|--------|---------|
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....  | ZBV.....  |        |         |        |         |
|           |           | 45     | 1.77    | 32     | 1.26    |
| ZBE.....3 | ZBV.....3 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....4 | ZBV.....4 |        |         |        |         |
|           |           | 50     | 1.97    | 30     | 1.18    |
| ZBE.....5 | ZBV.....5 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBE.....9 | ZBV.....9 |        |         |        |         |
|           |           | 40     | 1.57    | 30     | 1.18    |
| ZBRT...   | ZBRV1     |        |         |        |         |

Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB4/XB5 Illuminated functions



NEW universal LED Block for all colors





Simple stock management



Improved installation time and easy selection







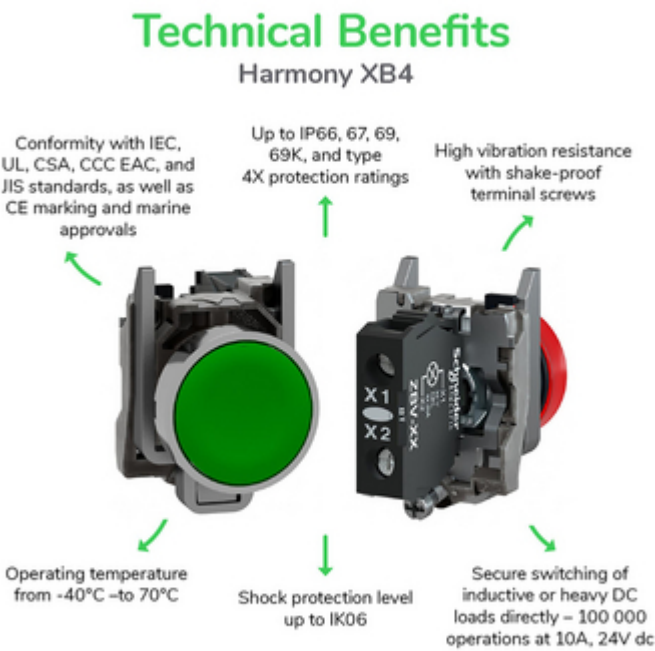
Improved color intensity and brightness





Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

---

### Features

Harmony XB4



Quick and easy assembly and disassembly



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Excellent mechanical connection with operator head



Large set of accessories to customize your panels



Robustness to withstand harsh environments



Image of product / Alternate images

Alternative

---

