

# Product data sheet

Specifications



Head for illuminated push button,  
Harmony XB4, metal, white flush,  
22mm, universal LED, spring return,  
illuminated ring

ZB4BW913

**Product availability:** Non-Stock - Not normally stocked in distribution facility  
**Important message:** A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks

## Main

|                                 |                                  |
|---------------------------------|----------------------------------|
| Range of Product                | Harmony XB4                      |
| Product or Component Type       | Head for illuminated push-button |
| Device short name               | ZB4                              |
| Product Compatibility           | Universal LED                    |
| Bezel material                  | Chromium plated metal            |
| Head type                       | Standard                         |
| Mounting diameter               | 0.9 in (22.5 mm)                 |
| Sale per indivisible quantity   | 1                                |
| Shape of signaling unit head    | Round                            |
| Type of operator                | spring return                    |
| Operator profile                | White flush, unmarked            |
| Operator additional information | With illuminated ring            |
| Cap/operator or lens colour     | White                            |

## Complementary

|                                    |                                                                                                                                                                                                      |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width                  | 1.1 in (29 mm)                                                                                                                                                                                       |
| CAD overall height                 | 1.1 in (29 mm)                                                                                                                                                                                       |
| CAD overall depth                  | 1.2 in (30 mm)                                                                                                                                                                                       |
| Product Weight                     | 0.057 lb(US) (0.026 kg)                                                                                                                                                                              |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                                                                                         |
| Mechanical durability              | 10000000 cycles                                                                                                                                                                                      |
| Electrical composition code        | M1 6 single front mounting integral LED<br>M2 6 single and double front mounting integral LED<br>M6 2 single front mounting integral LED and transformer<br>M10 2 single front mounting integral LED |
| Device presentation                | Basic sub-assemblies                                                                                                                                                                                 |

## Environment

|                                     |                            |
|-------------------------------------|----------------------------|
| Protective treatment                | TH                         |
| Ambient Air Temperature for Storage | -40...158 °F (-40...70 °C) |

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

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

|                                       |                                                                                                                             |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Ambient Air Temperature for Operation | -40...158 °F (-40...70 °C)                                                                                                  |
| Overvoltage category                  | Class I conforming to IEC 60536                                                                                             |
| IP degree of protection               | IP66 IEC 60529<br>IP67<br>IP69<br>IP69K                                                                                     |
| Enclosure Type                        | UL type 4X/13                                                                                                               |
| IK degree of protection               | IK06 conforming to IEC 62262                                                                                                |
| Standards                             | JIS C8201-5-1<br>IEC 60947-5-1<br>CSA C22.2 No 14<br>IEC 60947-1<br>UL 508<br>IEC 60947-5-5<br>IEC 60947-5-4<br>JIS C8201-1 |
| Product Certifications                | BV<br>CSA<br>DNV<br>LROS (Lloyds register of shipping)<br>UL Listed                                                         |
| Vibration resistance                  | 5 gn (f= 2...500 Hz) conforming to 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          | US10CS222468  |
| Discount Schedule | 0CS2          |
| GTIN              | 3389110889895 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                              |                         |
|------------------------------|-------------------------|
| Unit Type of Package 1       | PCE                     |
| Nbr. of units in pkg.        | 1                       |
| Package 1 Height             | 1.260 in (3.200 cm)     |
| Package 1 Width              | 1.496 in (3.800 cm)     |
| Package 1 Length             | 1.890 in (4.800 cm)     |
| Package weight(Lbs)          | 0.917 oz (26.000 g)     |
| Unit Type of Package 2       | S02                     |
| Number of Units in Package 2 | 100                     |
| Package 2 Height             | 5.906 in (15.000 cm)    |
| Package 2 Width              | 11.811 in (30.000 cm)   |
| Package 2 Length             | 15.748 in (40.000 cm)   |
| Package 2 Weight             | 6.887 lb(US) (3.124 kg) |

## 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                       | 0.2 kg CO2 eq. |
| Carbon footprint of the manufacturing phase [A1 to A3] | 0.2 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]     | 0 kg CO2 eq.   |
| Carbon footprint of the end-of-life phase [C1 to C4]   | 0 kg CO2 eq.   |

## 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                                                                                    |
| EU RoHS Directive                              | <a href="#">Compliant</a>                                                              |
| REACH Regulation                               | <a href="#">Reference contains Substances of Very High Concern above the threshold</a> |

## Use Longer



### Lifetime extension

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

## Use Again



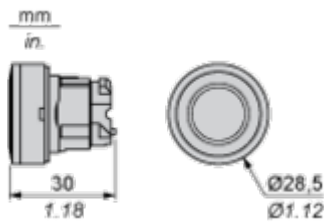
### Repack and remanufacture

|                     |                                         |
|---------------------|-----------------------------------------|
| Circularity Profile | <a href="#">End of Life Information</a> |
| Take-back           | No                                      |

Dimensions Drawings

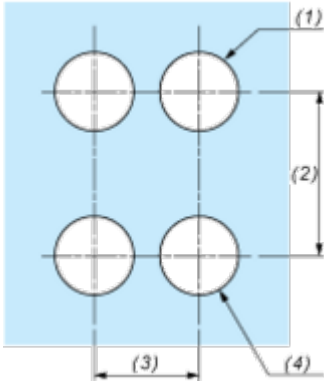
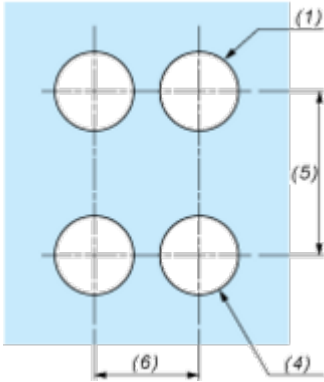
Dimensions

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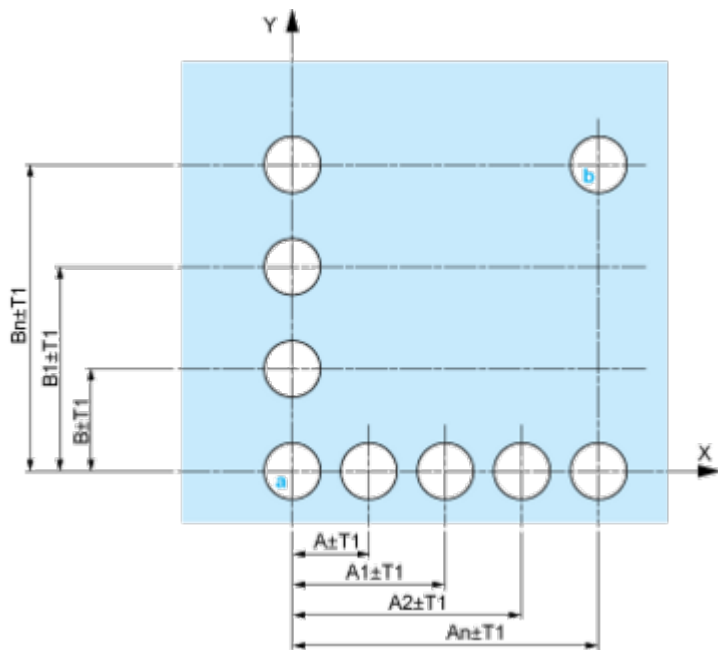
Mounting and Clearance

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<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> |                                                                                    |

## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

### Panel Cut-outs (Viewed from Installer's Side)

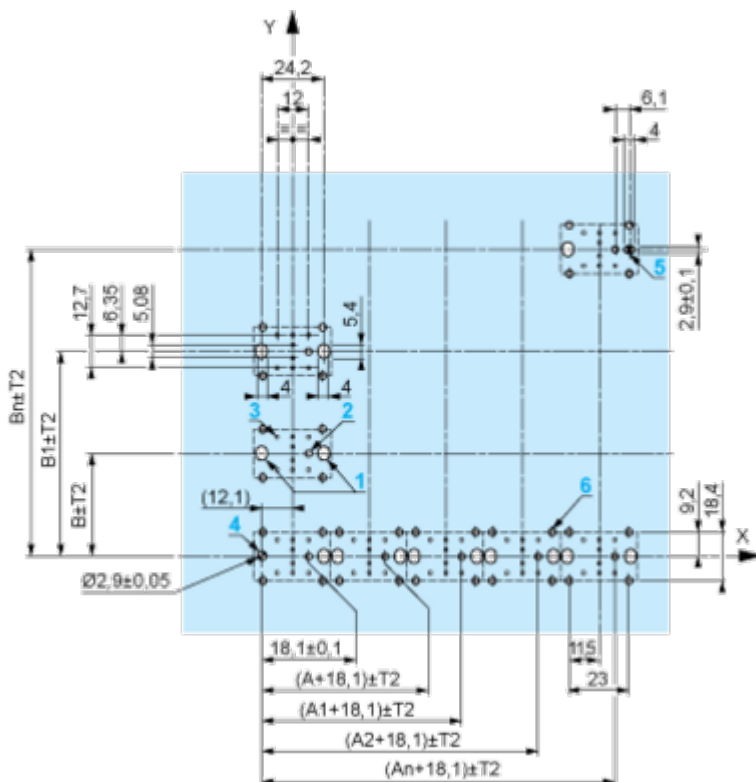


**A:** 30 mm min. / 1.18 in. min.

**B:** 40 mm min. / 1.57 in. min.

### Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

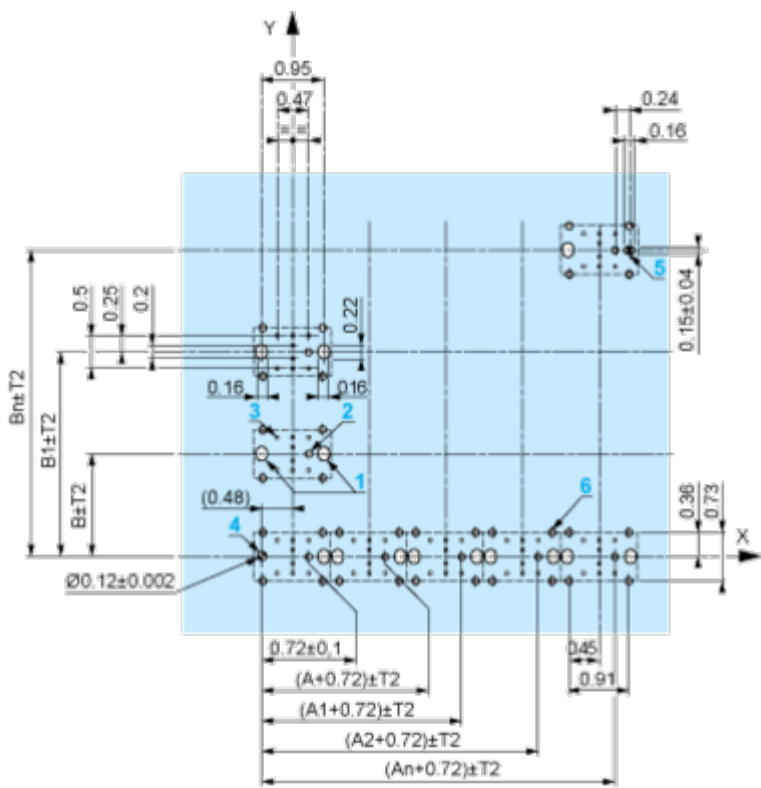
Dimensions in mm



**A:** 30 mm min.

**B:** 40 mm min.

Dimensions in in.



A: 1.18 in. min.  
B: 1.57 in. min.

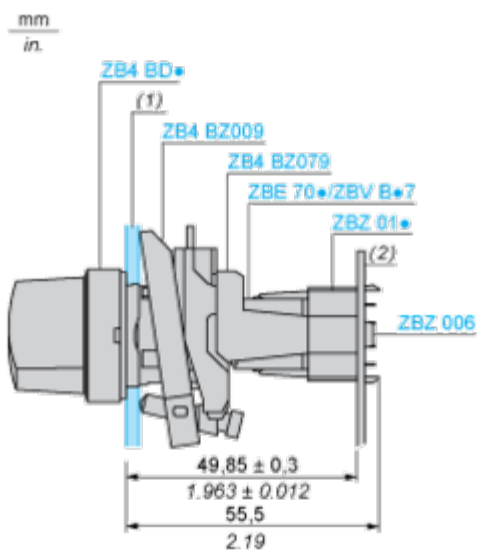
General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

Installation Precautions

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB4 BZ009: ± 2° 30' (excluding cut-outs marked **a** and **b**).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 fixing collar/pillar and its fixing screws:
  - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - with each selector switch head (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

The fixing centers marked **a** and **b** are diagonally opposed and must align with those marked **4** and **5**.



(1) Panel

(2) Printed circuit board

#### Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  for centring adapter ZBZ 01•
- 3  $8 \times \varnothing 1.2 \text{ mm} / 0.05 \text{ in.}$  holes
- 4 1 hole  $\varnothing 2.9 \text{ mm} \pm 0.05 / 0.11 \text{ in.} \pm 0.002$ , for aligning the printed circuit board (with cut-out marked **a**)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked **b**)
- 6 4 holes  $\varnothing 2.4 \text{ mm} / 0.09 \text{ in.}$  for clipping in adapter ZBZ 01•

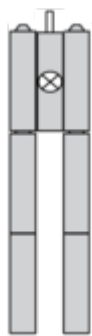
Dimensions An + 18.1 relate to the  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  holes for centring adapter ZBZ 01•.



Technical Description

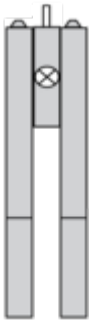
Electrical Composition Corresponding to Codes M1 and M7

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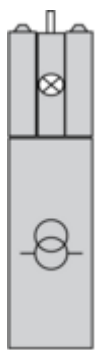
Electrical Composition Corresponding to Codes M2 and M8

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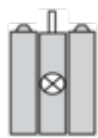


Electrical Composition Corresponding to Codes M6 and P2

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Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend

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Single contact



Double contact



Light block

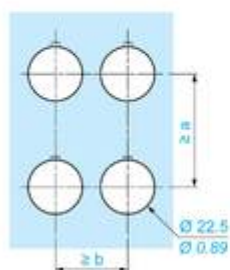
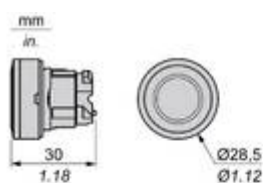


Possible location



## 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





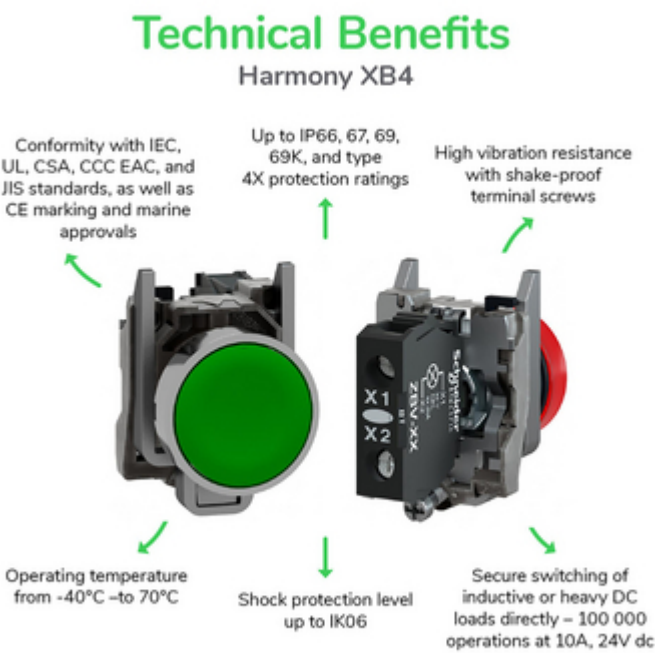


Improved color intensity and brightness



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

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