

Illuminated double headed push button head, Harmony XB4, metal, 22mm, marked, 1 green flush I + 1 pilot light + 1 red projecting O

ZB4BW7L3741

Product availability: Stock - Normally stocked in distribution facility

#### Main

| Range of Product              | Harmony XB4   |  |  |  |
|-------------------------------|---|--|--|--|
| Product or Component Type     | Head for illuminated double-headed push-button              |  |  |  |
| Product Compatibility         | Integral LED  |  |  |  |
| Device short name             | ZB4   |  |  |  |
| Bezel material                | Chromium plated metal                                       |  |  |  |
| Head type                     | Standard  |  |  |  |
| Mounting diameter             | 0.9 in (22 mm)  |  |  |  |
| Sale per indivisible quantity | 1   |  |  |  |
| Shape of signaling unit head  | Rectangular   |  |  |  |
| Type of operator              | spring return   |  |  |  |
| Operator profile              | 1 flush - 1 projecting push-buttons - 1 central pilot light |  |  |  |
| Operators description         | Green "I" - red "O"   |  |  |  |

# **Complementary**

| ,                                  |   |
|------------------------------------|---|
| CAD overall width                  | 1.2 in (30 mm)  |
| CAD overall height                 | 2.0 in (50 mm)  |
| CAD overall depth                  | 1.2 in (30 mm)  |
| Net Weight                         | 0.123 lb(US) (0.056 kg)   |
| Resistance to high pressure washer | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m  |
| Colour of marking                  | White marking when green, red or black caps Black marking when white caps   |
| Operator profile                   | Green flush, I white) Red projecting, O white)  |
| Mechanical durability              | 1000000 cycles  |
| Electrical composition code        | M1 6 single front mounting integral LED M2 6 single and double front mounting integral LED M6 2 single front mounting integral LED and transformer M10 2 single front mounting integral LED |
| Device presentation                | Basic sub-assemblies  |

#### **Environment**

| Protective treatment                | тн                   |
|-------------------------------------|----------------------|
| Ambient Air Temperature for Storage | -40158 °F (-4070 °C) |

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

| Ambient Air Temperature for Operation | -40158 °F (-4070 °C)  |  |
|---------------------------------------|---|--|
| Electrical shock protection class     | Class I conforming to IEC 61140   |  |
| IP degree of protection               | IP66 IEC 60529<br>IP69K<br>IP69 IEC 60529   |  |
| NEMA degree of protection             | NEMA 13<br>NEMA 4X  |  |
| IK degree of protection               | IK06 conforming to IEC 50102  |  |
| Standards                             | IEC 60947-5-5<br>UL 508<br>CSA C22.2 No 14<br>IEC 60947-5-4<br>JIS C8201-5-1<br>IEC 60947-5-1<br>IEC 60947-1<br>JIS C8201-1 |  |
| Product Certifications                | CSA<br>LROS (Lloyds register of shipping)<br>BV<br>UL Listed<br>DNV   |  |
| Vibration resistance                  | 5 gn (f= 2500 Hz) conforming to IEC 60068-2-6   |  |
| Shock resistance                      | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27             |  |

# Ordering and shipping details

|                   | • |  |
|-------------------|---|--|
| Category          | US10CS222468                            |  |
| Discount Schedule | 0CS2                                    |  |
| GTIN              | 3389119043779                           |  |
| Returnability     | Yes                                     |  |
| Country of origin | FR                                      |  |

# **Packing Units**

| Unit Type of Package 1       | PCE                       |
|------------------------------|---------------------------|
| Number of Units in Package 1 | 1                         |
| Package 1 Height             | 2.17 in (5.500 cm)        |
| Package 1 Width              | 1.30 in (3.300 cm)        |
| Package 1 Length             | 2.09 in (5.300 cm)        |
| Package 1 Weight             | 2.046 oz (58.000 g)       |
| Unit Type of Package 2       | S03                       |
| Number of Units in Package 2 | 200                       |
| Package 2 Height             | 11.81 in (30.000 cm)      |
| Package 2 Width              | 11.81 in (30.000 cm)      |
| Package 2 Length             | 15.75 in (40.000 cm)      |
| Package 2 Weight             | 26.469 lb(US) (12.006 kg) |

# **Contractual warranty**

Warranty 18 months



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                      |                               |
|--|-------------------------------|
| Carbon footprint (kg CO2 eq, Total Life cycle) | 1                             |
| Environmental Disclosure                       | Product Environmental Profile |

#### **Use Better**

| Packaging made with recycled cardboard | Yes  |
|--|--|
| Packaging without single use plastic   | Yes  |
| EU RoHS Directive                      | Pro-active compliance (Product out of EU RoHS legal scope) |
| REACh Regulation                       | REACh Declaration  |

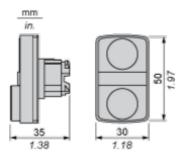
#### **Use Again**

| ○ Repack and remanufacture |                         |
|----------------------------|-------------------------|
| Circularity Profile        | End of Life Information |
| Take-back                  | No                      |

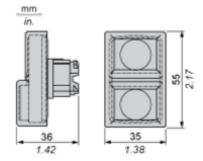
# **Dimensions Drawings**

#### **Dimensions**

#### **Without Boot**



#### With Boot ZBA710

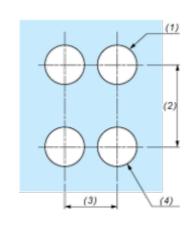


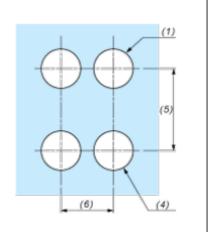
#### Mounting and Clearance

# 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** 

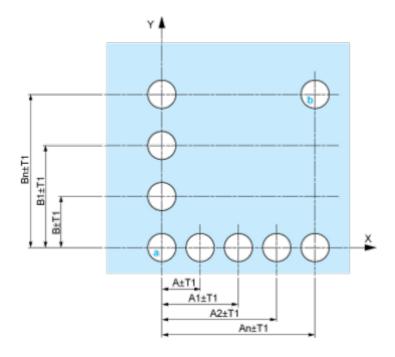




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

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

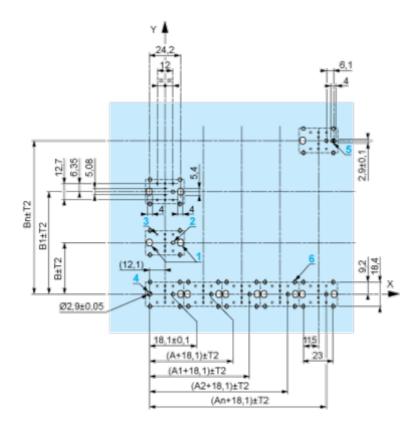
#### Panel Cut-outs (Viewed from Installer's Side)



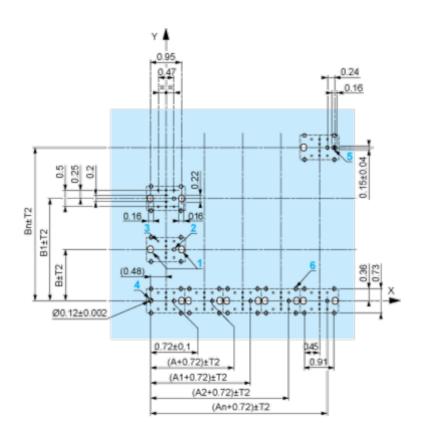
**A:** 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

#### 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.

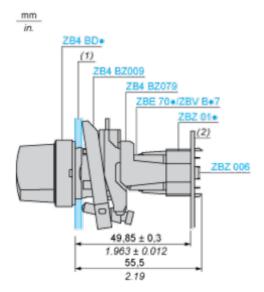
#### **Installation Precautions**

- 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:
  - $_{\circ}\;$  every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - o 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**.

# Product data sheet

### ZB4BW7L3741



- (1) Panel
- (2) Printed circuit board

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

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- $_{ullet}$  4 1 hole Ø 2.9 mm  $\pm$  0.05 / 0.11 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 Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

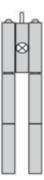
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.

# Product data sheet

# ZB4BW7L3741

**Technical Description** 

**Electrical Composition Corresponding to Codes M1 and M7** 



# **Electrical Composition Corresponding to Codes M2 and M8**



# **Electrical Composition Corresponding to Codes M6 and P2**



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

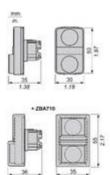


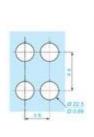
# Product data sheet ZB4BW7L3741

| Legend            |
|-------------------|
| Single contact    |
| Double contact    |
|                   |
| Light block       |
| $\otimes$         |
| Possible location |

# **Technical Illustration**

# **Dimensions**





|  | a (mm) | $\sigma(in)$ | b (mm) | b(m) |
|--|--------|--------------|--------|------|
| <b>□</b> - <b>□</b>                                | 40     | 1.57         | 30     | 1.18 |
| 1 - 1<br>28 - 10 - 10 - 10 - 10 - 10 - 10 - 10 - 1 |        | 1.77         | 32     | 1.28 |
| 200  |        | 1.57         | 30     | 1.18 |
| 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -            | 50     | 1.97         | 30     | £ra  |
| 200 200  | 60     | 1.67         | 30     | 1.18 |
| ZBRT• ZBRV1  | 40     | 1.67         | 30     | 1.10 |

Offer Marketing Illustration

Product benefits / Features



#### Offer Marketing Illustration

#### **Product benefits / Features**

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# **Technical Benefits**

#### Harmony XB4



#### Offer Marketing Illustration

#### **Product benefits / Features**



Image of product / Alternate images

**Alternative** 







