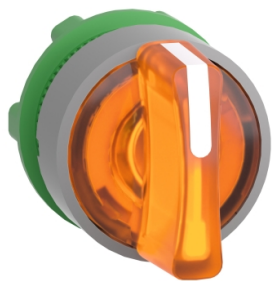


# Product data sheet

Specifications



Head for illuminated selector switch, Harmony XB5, grey bezel, orange handle, 22mm, universal LED, 3 positions, stay put

ZB5AK1353C0

**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 XB5                          |
| Product or Component Type     | Head for illuminated selector switch |
| Product Compatibility         | Universal LED                        |
| Device short name             | ZB5                                  |
| Bezel material                | Plastic colour plated grey           |
| Mounting diameter             | 0.9 in (22 mm)                       |
| Head type                     | Standard                             |
| Sale per indivisible quantity | 1                                    |
| Shape of signaling unit head  | Round                                |
| Type of operator              | stay put                             |
| Operator profile              | Orange standard handle               |
| Operator position information | 3 positions +/- 45°                  |

## Complementary

|                             |                                                                                                                                                                                                                                                                                             |
|-----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD overall width           | 1.1 in (29 mm)                                                                                                                                                                                                                                                                              |
| CAD overall height          | 1.1 in (29 mm)                                                                                                                                                                                                                                                                              |
| CAD overall depth           | 1.7 in (43 mm)                                                                                                                                                                                                                                                                              |
| Product Weight              | 0.035 lb(US) (0.016 kg)                                                                                                                                                                                                                                                                     |
| Mechanical durability       | 500000 cycles                                                                                                                                                                                                                                                                               |
| Station name                | XALD 1...5 cut-outs<br>XALK 2...5 cut-outs                                                                                                                                                                                                                                                  |
| Electrical composition code | M3 4 single front mounting integral LED<br>M6 2 single front mounting integral LED and transformer<br>M10 2 single front mounting integral LED<br>MF1 2 single front mounting integral LED<br>MR1 2 single rear mounting integral LED<br>M4 4 single and double front mounting integral LED |
| Device presentation         | Basic element                                                                                                                                                                                                                                                                               |

## 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 II conforming to IEC 60536                                                                                                        |
| IP degree of protection               | IP66 IEC 60529<br>IP67                                                                                                                  |
| Enclosure Type                        | UL type 4X/13                                                                                                                           |
| Resistance to high pressure washer    | 1015.3 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                                                                                            |
| IK degree of protection               | IK04 conforming to IEC 50102                                                                                                            |
| Standards                             | EN/IEC 60947-5-5<br>CSA C22.2 No 14<br>EN/IEC 60947-5-4<br>JIS C8201-5-1<br>EN/IEC 60947-1<br>EN/IEC 60947-5-1<br>UL 508<br>JIS C8201-1 |
| Product Certifications                | CSA<br>DNV<br>BV<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          | US10CS222467  |
| Discount Schedule | 0CS2          |
| GTIN              | 3606489767365 |
| Returnability     | Yes           |
| Country of origin | FR            |

## Packing Units

|                        |                     |
|------------------------|---------------------|
| Unit Type of Package 1 | PCE                 |
| Nbr. of units in pkg.  | 1                   |
| Package 1 Height       | 1.417 in (3.600 cm) |
| Package 1 Width        | 1.811 in (4.600 cm) |
| Package 1 Length       | 2.087 in (5.300 cm) |
| Package weight(Lbs)    | 0.564 oz (16.000 g) |

## 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

Environmental Disclosure

[Product Environmental Profile](#)

## Use Better



### Materials and Substances

Packaging made with recycled cardboard

No

Packaging without single use plastic

No

EU RoHS Directive

[Compliant](#)

REACH Regulation

[Free of Substances of Very High Concern above the threshold](#)

California proposition 65

WARNING: This product can expose you to chemicals including: Di-isodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov)

## Use Longer



### Lifetime extension

Repair

No

## Use Again



### Repack and remanufacture

Circularity Profile

[End of Life Information](#)

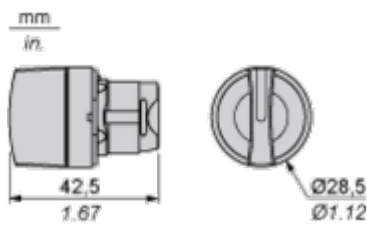
Take-back

No

Dimensions Drawings

Dimensions

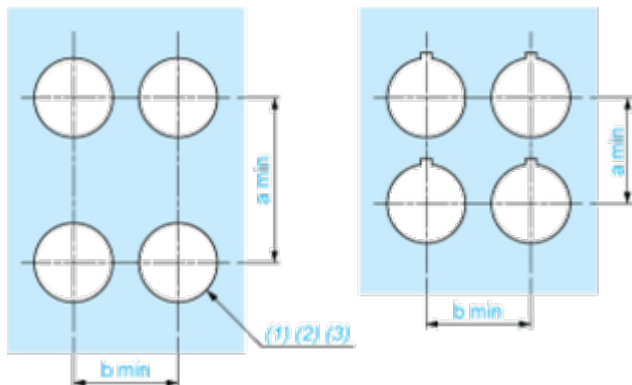
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Mounting and Clearance

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

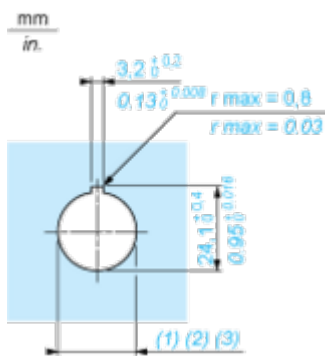
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended ( $\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. } \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )

| Connections                                   | a in mm | a in in. | b in mm | b in in. |
|-----------------------------------------------|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40      | 1.57     | 30      | 1.18     |
| By Faston connectors                          | 45      | 1.77     | 32      | 1.26     |
| On printed circuit board                      | 30      | 1.18     | 30      | 1.18     |

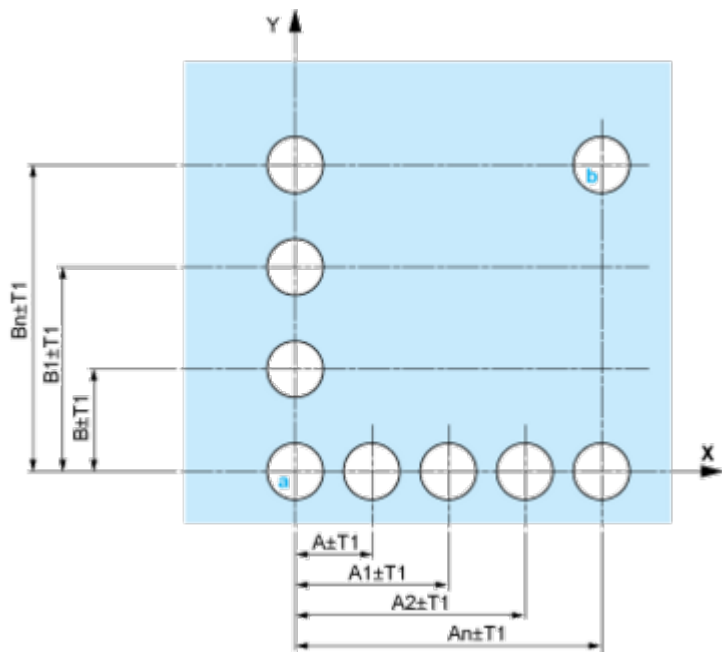
Detail of Lug Recess



- (1) Diameter on finished panel or support
- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) Ø22.5 mm recommended ( $\text{Ø}22.3 \begin{smallmatrix} +0.4 \\ 0 \end{smallmatrix}$ ) / Ø0.89 in. recommended ( $\text{Ø}0.88 \text{ in. } \begin{smallmatrix} +0.016 \\ 0 \end{smallmatrix}$ )

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

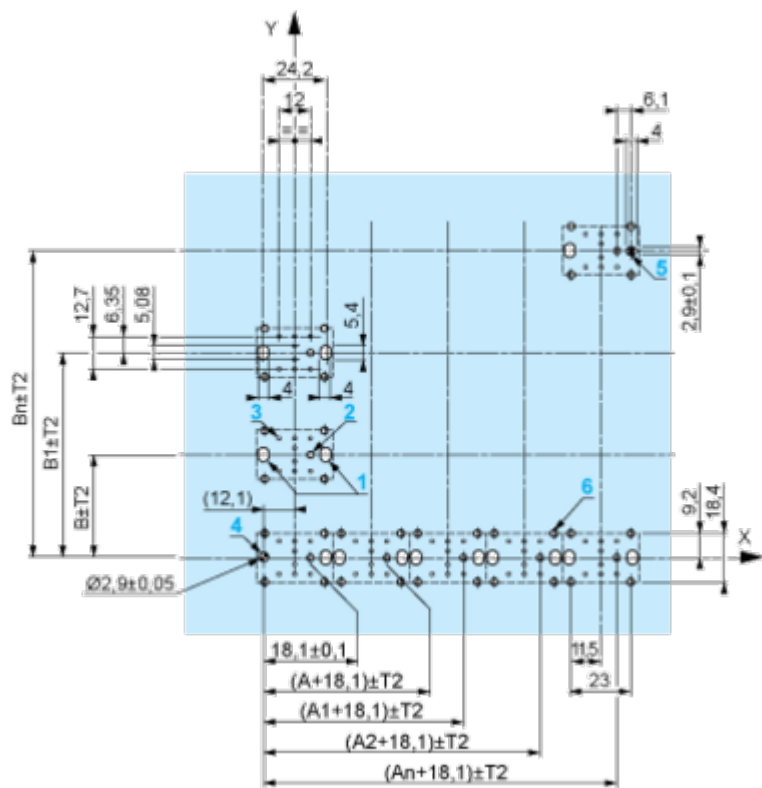
Panel Cut-outs (Viewed from Installer’s Side)



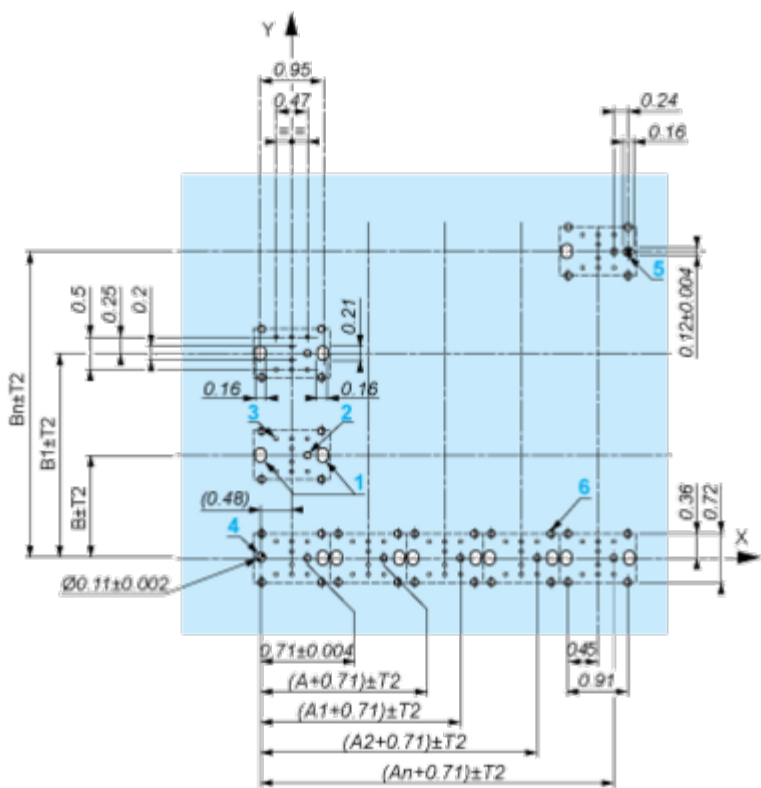
- A: 30 mm min. / 1.18 in. min.
- B: 40 mm min. / 1.57 in. min.

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.

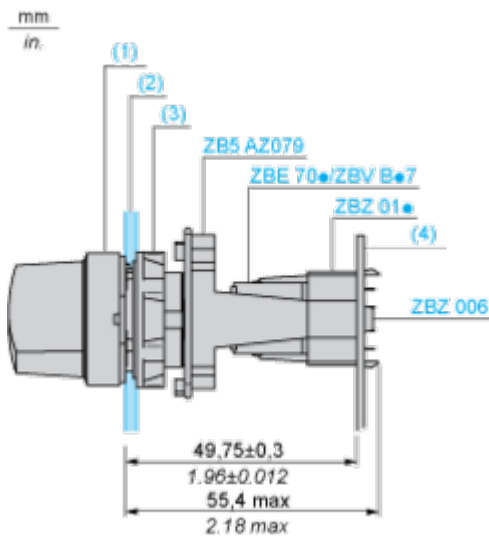
General Tolerances of the Panel and Printed Circuit Board

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 ZB5AZ009: ± 2° 30' (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB5AZ079 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 (ZB5AD\*, ZB5AJ\*, ZB5AG\*).

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



- (1) Head ZB5AD•
- (2) Panel
- (2) Nut
- (4) Printed circuit board

## Mounting of Adapter (Socket) ZBZ01•

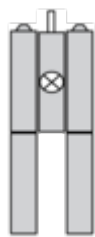
- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ01•
- 3 8  $\times$   $\varnothing$  1.2 mm / 0.05 in. holes
- 4 1 hole  $\varnothing$  2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed 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  $\varnothing$  2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

Dimensions An + 18.1 relate to the  $\varnothing$  2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ01•.

Technical Description

Electrical Composition Corresponding to Code M3

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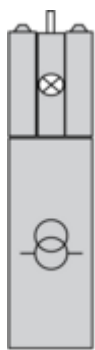
Electrical Composition Corresponding to Code M4

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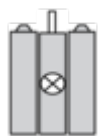


Electrical Composition Corresponding to Codes M6 and P2

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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



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°



|      |          |        |        |  |        |
|------|----------|--------|--------|--|--------|
| Push | Position | Top    |        |  |        |
|      |          | Bottom |        |  |        |
|      | Location |        | Left   |  | Right  |
|      | State    |        | 1      |  | 0      |
|      | Contacts |        |        |  |        |
|      | N/O      |        | closed |  | open   |
|      | N/C      |        | open   |  | closed |

Position 0°



|      |          |        |        |  |        |
|------|----------|--------|--------|--|--------|
| Push | Position | Top    |        |  |        |
|      |          | Bottom |        |  |        |
|      | Location |        | Left   |  | Right  |
|      | State    |        | 0      |  | 0      |
|      | Contacts |        |        |  |        |
|      | N/O      |        | open   |  | open   |
|      | N/C      |        | closed |  | closed |

Position 45°



|          |          |        |                                                                                   |                                                                                   |                                                                                   |
|----------|----------|--------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Push     | Position | Top    |  |  |                                                                                   |
|          |          | Bottom |  |                                                                                   |  |
|          | Location |        | Left                                                                              |                                                                                   | Right                                                                             |
|          | State    |        | 0                                                                                 |                                                                                   | 1                                                                                 |
|          |          |        |                                                                                   |                                                                                   |                                                                                   |
| Contacts | N/O      |        | open                                                                              |                                                                                   | closed                                                                            |
|          | N/C      |        | closed                                                                            |                                                                                   | open                                                                              |

Technical Illustration

Dimensions

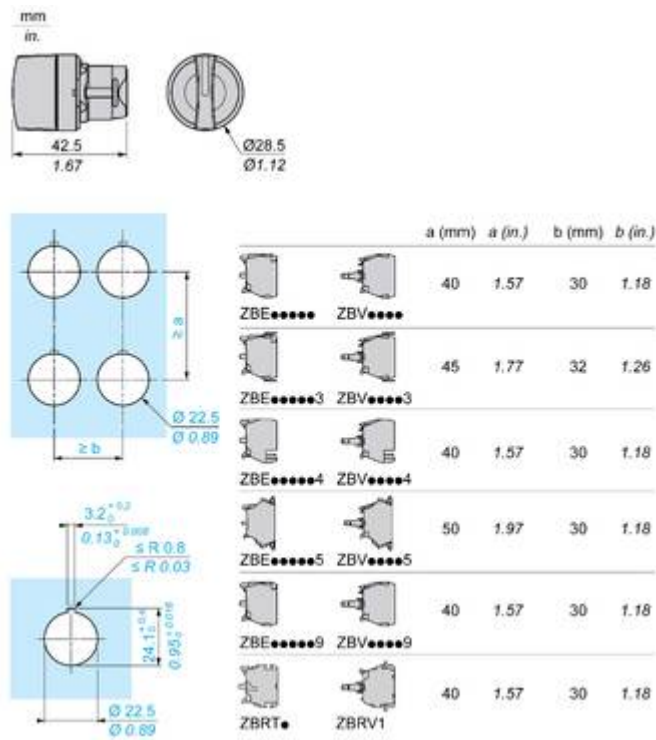


Image of product / Alternate images

Alternative

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