Specifications





Head for selector switch, Harmony XB4, XB5, white Ø22 mm 2 position stay put

ZB4BD201

EAN Code: 3389110801453

Main

| Range Of Product | Harmony XB4 | | | |
|-------------------------------|--------------------------|--|--|--|
| Product Or Component Type | Head for selector switch | | | |
| Device Short Name | ZB4 | | | |
| Bezel Material | Chromium plated metal | | | |
| Mounting Diamete | 22 mm | | | |
| Head Type | Standard | | | |
| Sale Per Indivisible Quantity | 1 | | | |
| Shape Of Signaling Unit Head | Round | | | |
| Type Of Operator | stay put | | | |
| Operator Profile | White standard handle | | | |
| Operator Position Information | 2 positions 90° | | | |

Complementary

| Cad Overall Width | 29 mm | | | |
|---------------------------------------|---|--|--|--|
| Cad Overall Height | 29 mm | | | |
| Cad Overall Depth | 44 mm | | | |
| Net Weight | 0.04 kg | | | |
| Resistance To High Pressure Washer | 7000000 Pa at 55 °C, distance : 0.1 m | | | |
| Mechanical Durability | 1000000 cycles | | | |
| Electrical Composition Code | C3 for <6 contacts using single blocks in front mounting C4 for <6 contacts using single and double blocks in front mounting C5 for <5 contacts using single blocks in front mounting C6 for <5 contacts using single and double blocks in front mounting C7 for <4 contacts using single blocks in front mounting C8 for <4 contacts using single and double blocks in front mounting C11 for <3 contacts using single blocks in front mounting C15 for <1 contacts using single blocks in front mounting | | | |
| Device Presentation | Basic element | | | |

Environment

| Protective Treatment | тн | |
|--|---------------------------------|--|
| Ambient Air Temperature For Storage | -4070 °C | |
| Ambient Air Temperature For Operation | -4070 °C | |
| Overvoltage Category | Class I conforming to IEC 60536 | |

| Ip Degree Of Protection | IP67 conforming to IEC 60529 | | | | |
|---------------------------|---|--|--|--|--|
| | IP69 | | | | |
| | IP69K | | | | |
| Nema Degree Of Protection | NEMA 13 | | | | |
| | NEMA 4X | | | | |
| Ik Degree Of Protection | IK06 conforming to IEC 50102 | | | | |
| Standards | CSA C22.2 No 14 | | | | |
| | EN/IEC 60947-5-4 | | | | |
| | EN/IEC 60947-5-1 | | | | |
| | EN/IEC 60947-1 | | | | |
| | EN/IEC 60947-5-5 | | | | |
| | UL 508 | | | | |
| | JIS C8201-5-1 | | | | |
| | JIS C8201-1 | | | | |
| Product Certifications | BV | | | | |
| | UL listed | | | | |
| | GL | | | | |
| | LROS (Lloyds register of shipping) | | | | |
| | CSA | | | | |
| | DNV | | | | |
| Vibration Resistance | 5 gn (f= 2500 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 | | | | |
| | 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27 | | | | |

Packing Units

| Unit Type Of Package 1 | PCE |
|------------------------------|--------|
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 4.5 cm |
| Package 1 Width | 3.4 cm |
| Package 1 Length | 5.4 cm |
| Package 1 Weight | 41.0 g |

Contractual warranty

Warranty

18 months

Sustainability Screen Premium

Green PremiumTM label is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ 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

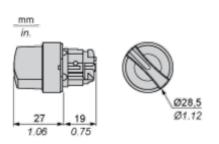
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

Certifications & Standards

| Reach Regulation | REACh Declaration |
|--------------------------|---|
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS Declaration |
| China Rohs Regulation | China RoHS declaration |
| Environmental Disclosure | Product Environmental Profile |
| Circularity Profile | End of Life Information |

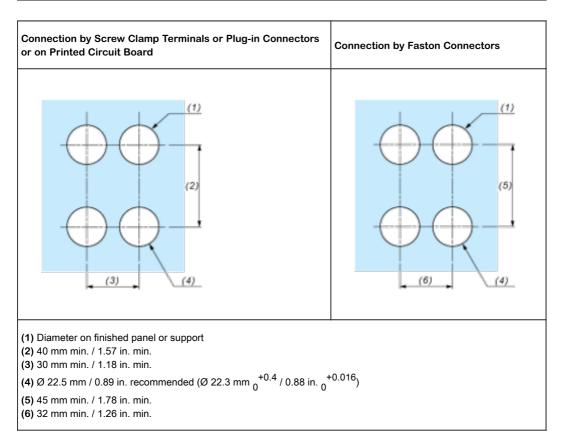
Dimensions Drawings

Dimensions



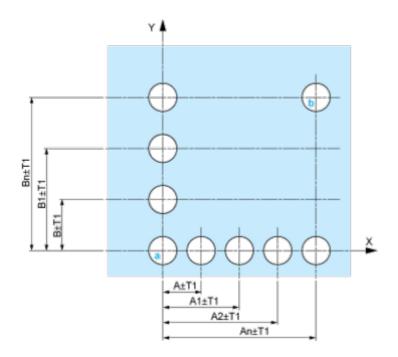
Mounting and Clearance

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



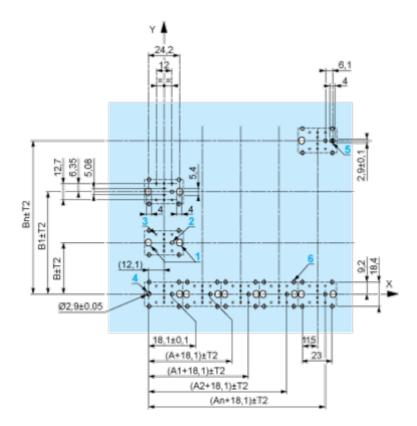
Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

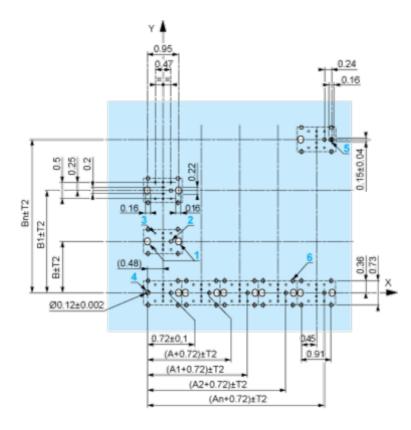


A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

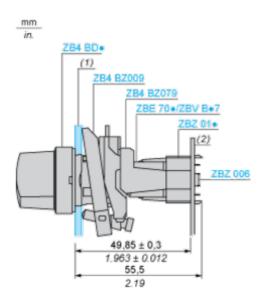
General Tolerances of the Panel and Printed Circuit Board

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.



(1) Panel

(2) Printed circuit board

Mounting of Adapter (Socket) ZBZ 01•

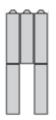
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm \pm 0.05 / 0.11 in. \pm 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning 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•.

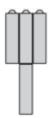
Technical Description

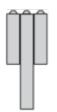












Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Electrical Composition Corresponding to Code C15

1 N/O



1 N/C



1 N/O + N/C or 1 N/O + N/O or 1 N/C + N/C

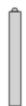


Legend

Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



| Push | Position | Тор | | | |
|----------|----------|--------|------------------|------------------|------------------|
| | | Bottom | \bigtriangleup | \bigtriangleup | \bigtriangleup |
| | Location | | Left | Centre | Right |
| | State | | 0 | 0 | 0 |
| Contacts | N/O | | open | open | open |
| | N/C | | closed | closed | closed |

Position 45°



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