Specifications





① Discontinued

yellow selector switch head Ø22 3position spring return

ZB4BD505

() Discontinued on: Dec 2, 2020

(!) End-of-service on: Dec 31, 2020

Product availability: Non-Stock - Not normally stocked in distribution facility

Main

| Range Of Product | Harmony XB4 | | | |
|-------------------------------|--------------------------|--|--|--|
| Product Or Component Type | Head for selector switch | | | |
| Device Short Name | ZB4 | | | |
| Bezel Material | Chromium plated metal | | | |
| Mounting Diameter | 0.87 in (22 mm) | | | |
| Head Type | Standard | | | |
| Sale Per Indivisible Quantity | 1 | | | |
| Shape Of Signaling Unit Head | Round | | | |
| Type Of Operator | To centre spring return | | | |
| Operator Profile | Yellow standard handle | | | |
| Operator Position Information | 3 positions +/- 45° | | | |

Complementary

| · · · · · · · · · · · · · · · · · · · | | | | | | |
|---------------------------------------|--|--|--|--|--|--|
| Cad Overall Width | 1.14 in (29 mm) | | | | | |
| Cad Overall Height | 1.14 in (29 mm) | | | | | |
| Cad Overall Depth | 1.73 in (44 mm) | | | | | |
| Net Weight | 0.09 lb(US) (0.04 kg) | | | | | |
| Resistance To High Pressure Washer | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m | | | | | |
| Mechanical Durability | 1000000 cycles | | | | | |
| Electrical Composition Code | C3 6 single front mounting C4 6 single and double front mounting C5 5 single front mounting C6 5 single and double front mounting C7 4 single front mounting C8 4 single and double front mounting C11 3 single front mounting | | | | | |
| Device Presentation | Basic element | | | | | |

Environment

| Protective Treatment | тн |
|--|----------------------|
| Ambient Air Temperature For Storage | -40158 °F (-4070 °C) |
| Ambient Air Temperature For Operation | -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.

| Overvoltage Category | Class I IEC 60536 | | | | |
|---|---|--|--|--|--|
| Ip Degree Of Protection | IP67 IEC 60529 IP69 IP69K | | | | |
| Nema Degree Of Protection | NEMA 13 NEMA 4X | | | | |
| Ik Degree Of Protection | IK06 conforming to IEC 50102 | | | | |
| Standards | EN/IEC 60947-5-5 UL 508 JIS C8201-5-1 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60947-5-4 EN/IEC 60947-1 JIS C8201-1 | | | | |
| Product Certifications | GL DNV UL Listed LROS (Lloyds register of shipping) CSA BV | | | | |
| Vibration Resistance | 5 gn 2500 Hz)IEC 60068-2-6 | | | | |
| hock Resistance30 gn 18 ms) half sine wave acceleration IEC 60068-2-2750 gn 11 ms) half sine wave acceleration IEC 60068-2-27 | | | | | |

Ordering and shipping details

| Category | US10CS222468 | | |
|-------------------|----------------|--|--|
| Discount Schedule | 0CS2 | | |
| Gtin | 00785901513292 | | |
| Returnability | No | | |
| Country Of Origin | MX | | |

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

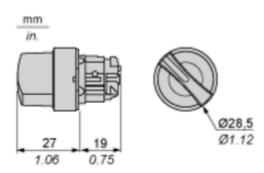
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

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 | | |
| 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 | | |

Dimensions Drawings

Dimensions



4

Mounting and Clearance

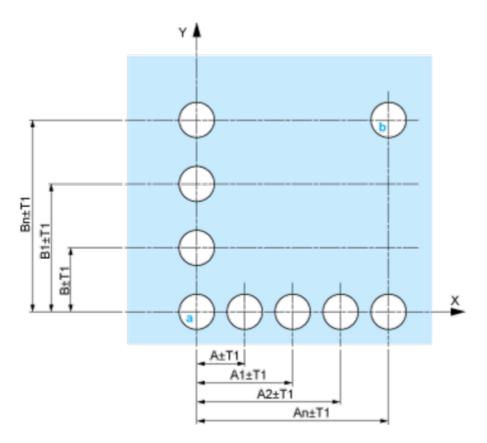
Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)



ZB4BD505

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

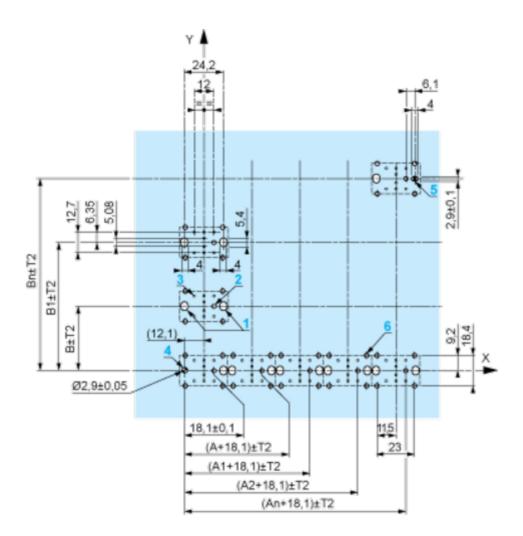
Panel Cut-outs (Viewed from Installer's Side)



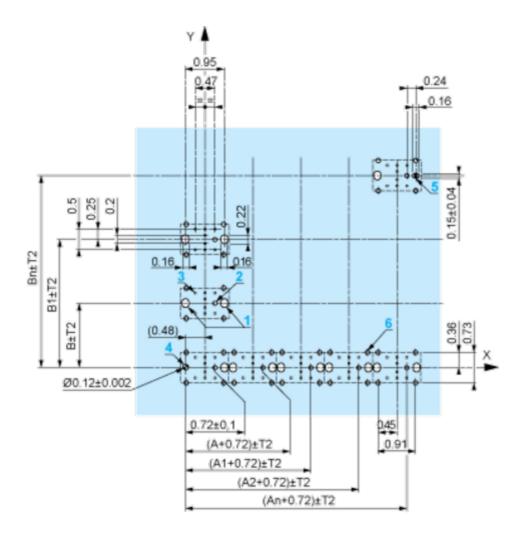
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

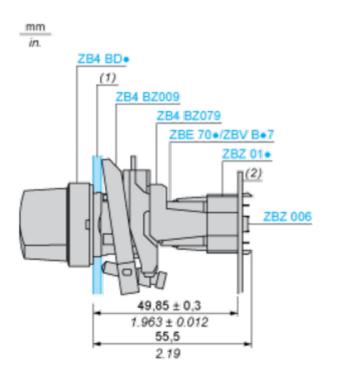
General Tolerances of the Panel and Printed Circuit Board

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

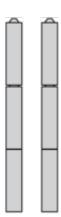
(2) Printed circuit board

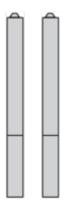
Mounting of Adapter (Socket) ZBZ 01•

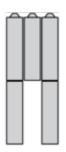
- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

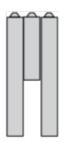
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.

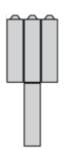
Technical Description

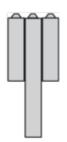












Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



Legend

Single contact



Double contact



Light block



Possible location



Sequence of Contacts Fitted to 3-position Selector Switch Body

Position 315°



| | | Тор | | | |
|----------|----------|--------|--------|--------|------------------|
| Push | Position | Bottom | | | \bigtriangleup |
| | Location | | Left | Centre | Right |
| | State | | 1 | 1 | 0 |
| Contacts | N/O | | closed | closed | open |
| | N/C | | open | open | closed |

Position 0°



| | Position | Тор | | | |
|----------|----------|--------|------------------|------------------|------------------|
| Push | | 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°



| | | Тор | | | |
|----------|----------|--------|------------------|--------|--------|
| Push | Position | Bottom | \bigtriangleup | | |
| | Location | | Left | Centre | Right |
| | State | | 0 | 1 | 1 |
| Contacts | N/O | | open | closed | closed |
| | N/C | | closed | open | open |