Specifications





Head for selector switch, Harmony XB5, plastic, black, 22mm, 2 positions, spring return from right to left

ZB5AD4

Product availability: Stock - Normally stocked in distribution facility

Price*: 29.40 USD

Main

| Range Of Product | Harmony XB5 | | | | | |
|-------------------------------|-----------------------------|--|--|--|--|--|
| Product Or Component Type | Head for selector switch | | | | | |
| Device Short Name | ZB5 | | | | | |
| Bezel Material | Dark grey plastic | | | | | |
| Mounting Diameter | 0.87 in (22 mm) | | | | | |
| Head Type | Standard | | | | | |
| Sale Per Indivisible Quantity | 1 | | | | | |
| Shape Of Signaling Unit Head | Round | | | | | |
| Type Of Operator | Right to left spring return | | | | | |
| Operator Profile | Black standard handle | | | | | |
| Operator Position Information | 2 positions 90° | | | | | |

Complementary

| Cad Overall Width | 1.14 in (29 mm) | | | | | |
|--------------------------------------|--|--|--|--|--|--|
| Cad Overall Height | 1.14 in (29 mm) | | | | | |
| Cad Overall Depth | 1.81 in (46 mm) | | | | | |
| Net Weight | 0.04 lb(US) (0.02 kg) | | | | | |
| Mechanical Durability 1000000 cycles | | | | | | |
| Station Name | XALD 15 cut-outs XALK 25 cut-outs | | | | | |
| 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 C15 1 single front mounting SF1 3 single front mounting SR1 3 single rear mounting | | | | | |
| Device Presentation | Basic element | | | | | |

Environment

Protective Treatment

TH

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 Storage | -40158 °F (-4070 °C) | | | | | |
|--|--|--|--|--|--|--|
| Ambient Air Temperature For Operation | -40158 °F (-4070 °C) | | | | | |
| Overvoltage Category | Class II IEC 60536 | | | | | |
| Ip Degree Of Protection | IP67 IEC 60529 IP69 IEC 60529 IP69K | | | | | |
| Nema Degree Of Protection | NEMA 13 NEMA 4X | | | | | |
| Resistance To High Pressure Washer | 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m | | | | | |
| Ik Degree Of Protection | IK06 conforming to IEC 50102 | | | | | |
| Standards | UL 508 IEC 60947-1 IEC 60947-5-4 CSA C22.2 No 14 IEC 60947-5-1 JIS C8201-5-1 JIS C8201-1 | | | | | |
| Product Certifications | BV DNV CSA GL LROS (Lloyds register of shipping) UL Listed | | | | | |
| Vibration Resistance | 5 gn 2500 Hz)IEC 60068-2-6 | | | | | |
| Shock Resistance | K 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 | US10CS222467 | | |
| Discount Schedule | 0CS2 | | |
| Gtin | 3389110905120 | | |
| Returnability | Yes | | |
| Country Of Origin | US | | |

Packing Units

| Unit Type Of Package 1 | PCE | | | |
|------------------------------|-------------------------|--|--|--|
| Number Of Units In Package 1 | 1 | | | |
| Package 1 Height | 2.05 in (5.200 cm) | | | |
| Package 1 Width | 1.34 in (3.400 cm) | | | |
| Package 1 Length | 2.28 in (5.800 cm) | | | |
| Package 1 Weight | 0.96 oz (27.300 g) | | | |
| Unit Type Of Package 2 | \$03 | | | |
| 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 | 13.06 lb(US) (5.924 kg) | | | |

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

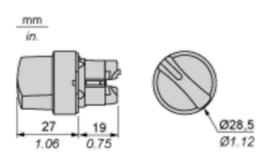
Reach Free Of Svhc
Toxic Heavy Metal Free
Mercury Free
Rohs Exemption Information Yes

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



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

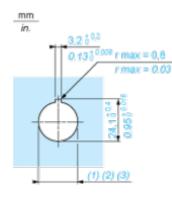


(1) Diameter on finished panel or support

(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. (3) \emptyset 22.5 mm recommended (\emptyset 22.3 $_0^{+0.4}$) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0^{+0.016}$)

| 5 | | | | 0 |
|---|---------|----------|---------|----------|
| 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

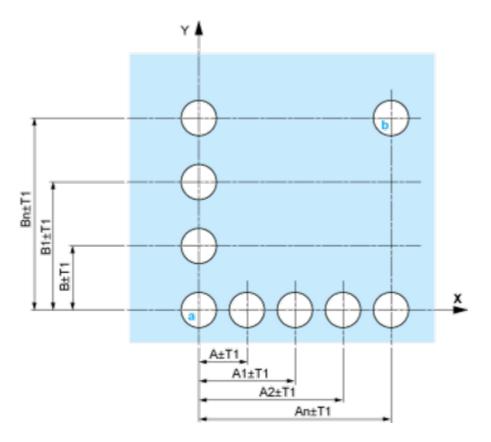


(1) Diameter on finished panel or support

- (2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- (3) \emptyset 22.5 mm recommended (\emptyset 22.3 $_0^{+0.4}$) / \emptyset 0.89 in. recommended (\emptyset 0.88 in. $_0^{+0.016}$)

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

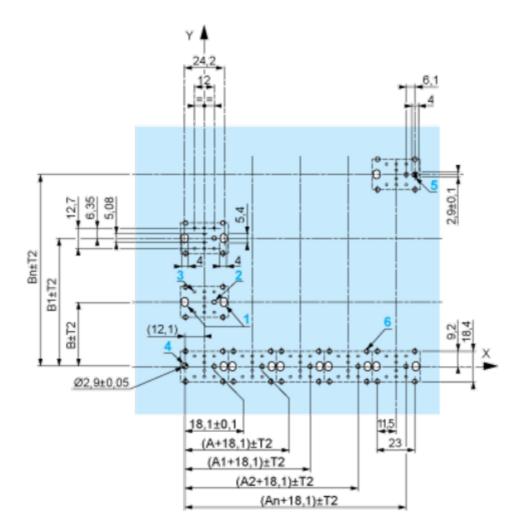
Panel Cut-outs (Viewed from Installer's Side)



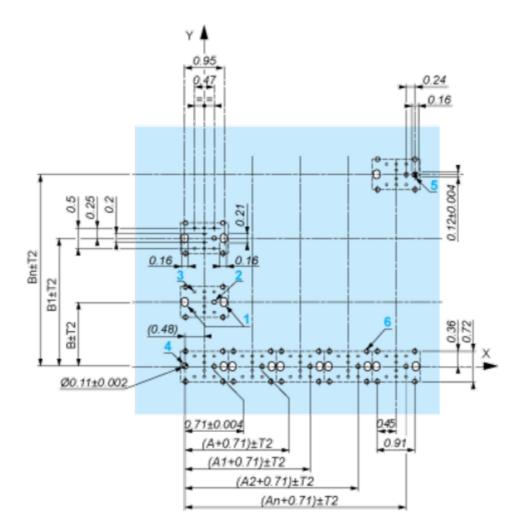
A: 30 mm min. / 1.18 in. min. **B:** 40 mm min. / 1.57 in. min.

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.

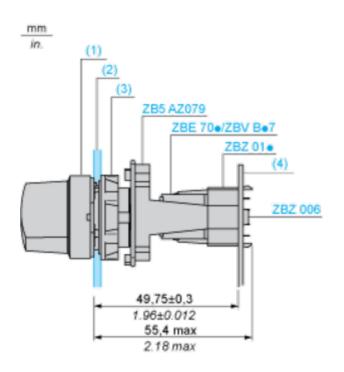
General Tolerances of the Panel and Printed Circuit Board

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



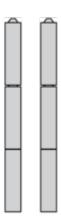
- (1) Head ZB5AD•
- (2) Panel
- (2) Nut
- (4) Printed circuit board

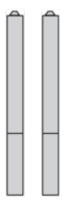
Mounting of Adapter (Socket) ZBZ01•

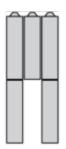
- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ01•
- **3** 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

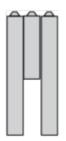
Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.

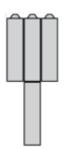
Technical Description

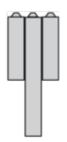












Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



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°



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

Position 45°



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