



## Harmony XB5 - Kop voor keuzeschakelaar - 3 standen - Ø22mm - Wit

ZB5AD501

EAN Code: 3389110905205

Prijs: 15,70 EUR

### Hoofd

|                                     |                             |
|-------------------------------------|-----------------------------|
| range of product                    | Harmony XB5                 |
| product or component type           | Kop voor keuzeschakelaar    |
| device short name                   | ZB5                         |
| kraag materiaal                     | Donkergrijs kunststof       |
| bevestigingsdiameter                | 22 mm                       |
| koptype                             | Standaard                   |
| verkoop per ondeelbare hoeveelheid  | 1                           |
| vorm van kop<br>signaleringseenheid | Rond                        |
| type operator                       | Naar het midden terugverend |
| operator profiel                    | Wit standaard hendel        |
| informatie positie operator         | 3 standen +/- 45°           |

### Complementair

|                       |                                                      |
|-----------------------|------------------------------------------------------|
| CAD totale breedte    | 29 mm                                                |
| CAD totale hoogte     | 29 mm                                                |
| CAD totale diepte     | 46 mm                                                |
| net weight            | 0,017 kg                                             |
| mechanical durability | 1000000 cycles                                       |
| naam station          | XALD 1...5 uitsnijdingen<br>XALK 2...5 uitsnijdingen |

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| elektrische samenstellingscode | C3 voor <6 contacten gebruik enkelvoudig blokken in vooraan gemonteerd<br>C4 voor <6 contacten gebruik enkelvoudig en dubbel blokken in vooraan gemonteerd<br>C5 voor <5 contacten gebruik enkelvoudig blokken in vooraan gemonteerd<br>C6 voor <5 contacten gebruik enkelvoudig en dubbel blokken in vooraan gemonteerd<br>C7 voor <4 contacten gebruik enkelvoudig blokken in vooraan gemonteerd<br>C8 voor <4 contacten gebruik enkelvoudig en dubbel blokken in vooraan gemonteerd<br>C11 voor <3 contacten gebruik enkelvoudig blokken in vooraan gemonteerd<br>SF1 voor <3 contacten gebruik enkelvoudig blokken in vooraan gemonteerd<br>SR1 voor <3 contacten gebruik enkelvoudig blokken in montage aan achterzijde |
|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                     |                |
|---------------------|----------------|
| product presentatie | Basisonderdeel |
|---------------------|----------------|

### Omgeving

|                                       |             |
|---------------------------------------|-------------|
| beschermende behandeling              | TH          |
| ambient air temperature for storage   | -40...70 °C |
| ambient air temperature for operation | -40...70 °C |

De weergegeven prijs is de adviesprijs in euro excl. BTW. Deze kan onderhevig zijn aan korting. Neem contact op met uw lokale distributeur of detailhandel voor de daadwerkelijke prijs

Disclaimer: Deze documentatie is niet bedoeld als vervanging voor en mag niet worden gebruikt voor het bepalen van de geschiktheid of betrouwbaarheid van deze producten voor specifieke gebruikerstoepassingen

|                              |                                                                                                                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| overvoltage category         | Klasse II In overeenstemming met IEC 60536                                                                                                                                                 |
| IP beschermingsgraad         | IP67 In overeenstemming met IEC 60529<br>IP69 In overeenstemming met IEC 60529<br>IP69K                                                                                                    |
| NEMA beschermingsgraad       | NEMA 13<br>NEMA 4X                                                                                                                                                                         |
| weerstand hoge druk drukring | 7000000 Pa om 55 °C, afstand: 0.1 m                                                                                                                                                        |
| IK-beschermingsgraad         | IK06 In overeenstemming met IEC 50102                                                                                                                                                      |
| standards                    | IEC 60947-1<br>IEC 60947-5-4<br>CSA C22.2 Nr 14<br>IEC 60947-5-1<br>JIS C8201-5-1<br>UL 508<br>JIS C8201-1                                                                                 |
| product certifications       | DNV<br>CSA<br>BV<br>LROS (Lloyds register of shipping)<br>UL listed                                                                                                                        |
| trilling bestendigheid       | 5 gn (f= 2...500 Hz) In overeenstemming met IEC 60068-2-6                                                                                                                                  |
| schokbestendigheid           | 30 gn (duur = 18 ms) voor halve sinusgolf versnelling In overeenstemming met IEC 60068-2-27<br>50 gn (duur = 11 ms) voor halve sinusgolf versnelling In overeenstemming met IEC 60068-2-27 |

## Verpakkingseenheid

|                                 |           |
|---------------------------------|-----------|
| Eenheidstype_van_verpakking_1   | PCE       |
| Aantal_eenheden_in_verpakking_1 | 1         |
| verpakking_1_hoogte             | 3,600 cm  |
| verpakking_1_breedte            | 4,700 cm  |
| verpakking_1_lengte             | 5,200 cm  |
| verpakking_1_gewicht            | 24,000 g  |
| Eenheidstype_van_verpakking_2   | S02       |
| Aantal_eenheden_in_verpakking_2 | 50        |
| Package 2 Height                | 15,000 cm |
| Package 2 Width                 | 30,000 cm |
| verpakking_2_lengte             | 40,000 cm |
| verpakking_2_gewicht            | 1,655 kg  |

## contractuele waarborg

|          |           |
|----------|-----------|
| Garantie | 18 months |
|----------|-----------|

## Environmental Data

Schneider Electric wil tegen 2050 de Net Zero-status hebben bereikt via partnerschappen in de toeleveringsketen, materialen met een lagere impact en circulariteit via onze doorlopende campagne "Use Better, Use Longer, Use Again" om de levensduur van producten en de recycleerbaarheid te verlengen.

[Uitleg van Environmental Data](#) >

[Hoe evalueren we de duurzaamheid van producten?](#) >



### Milieuvoetafdruk

Totale levenscyclus ecologische voetafdruk

1

Milieuprofiel van product (PEP)

[Milieuprofiel van het product](#)

## Use Better



### Materialen en verpakking

Pakket met gerecycleerd karton

Nee

Verpakkingen zonder kunststof

Nee

[EU-richtlijn RoHS](#)

Voldoet pro-actief (Product valt niet onder de EU RoHS juridische scope)

## Use Again



### Herverpakken en herfabriceren

Circulair Profiel

[Informatie over einde levensduur](#)

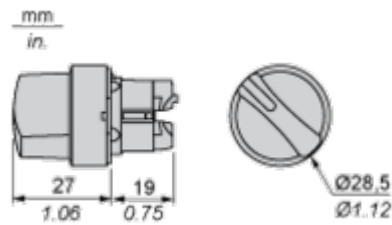
Terugname

Ja

Dimensions Drawings

Dimensions

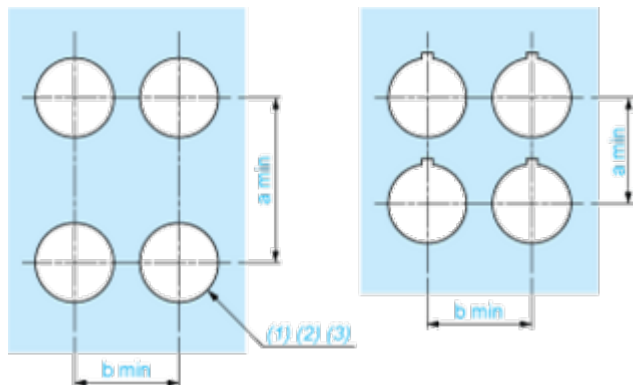
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Mounting and Clearance

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

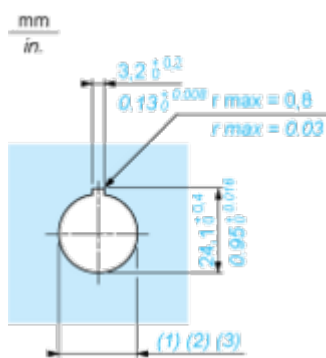
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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     |

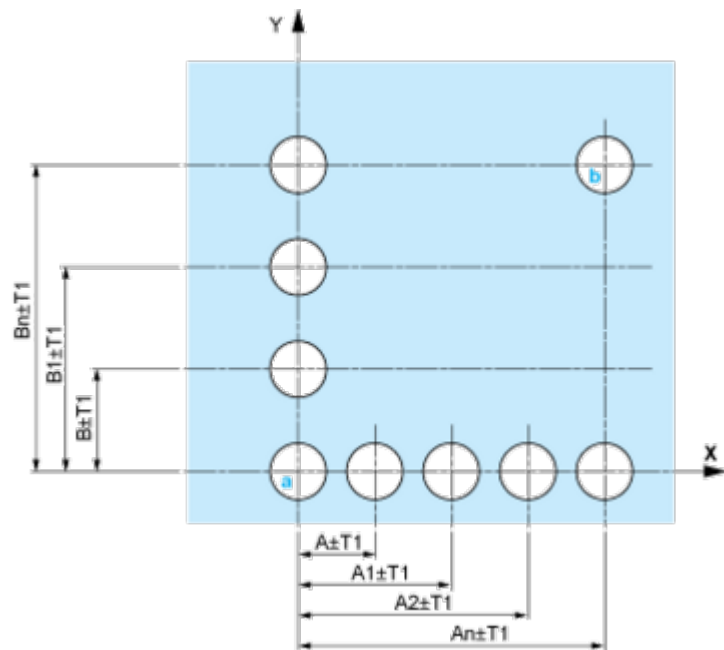
Detail of Lug Recess



- (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

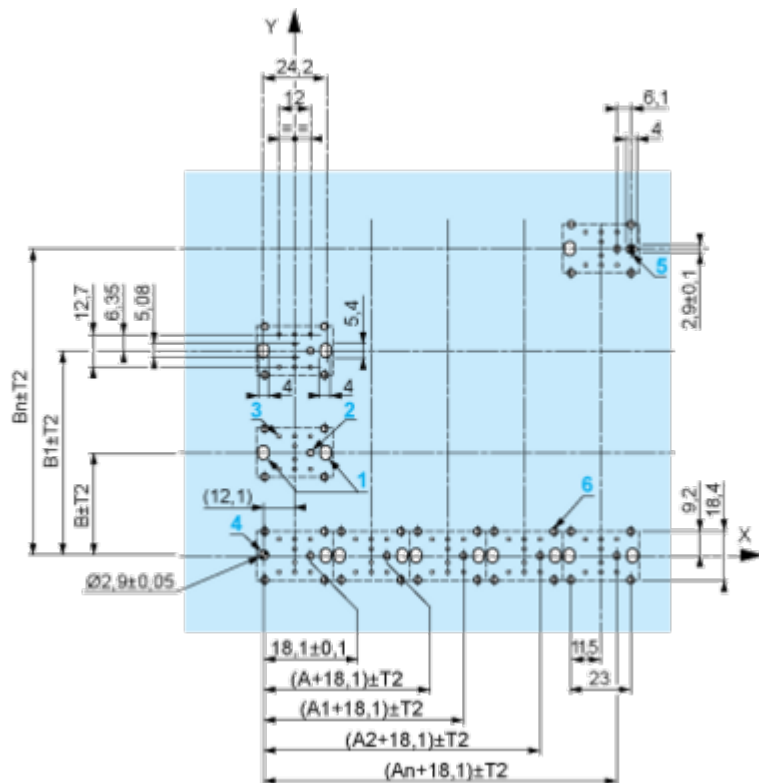
Panel Cut-outs (Viewed from Installer's Side)



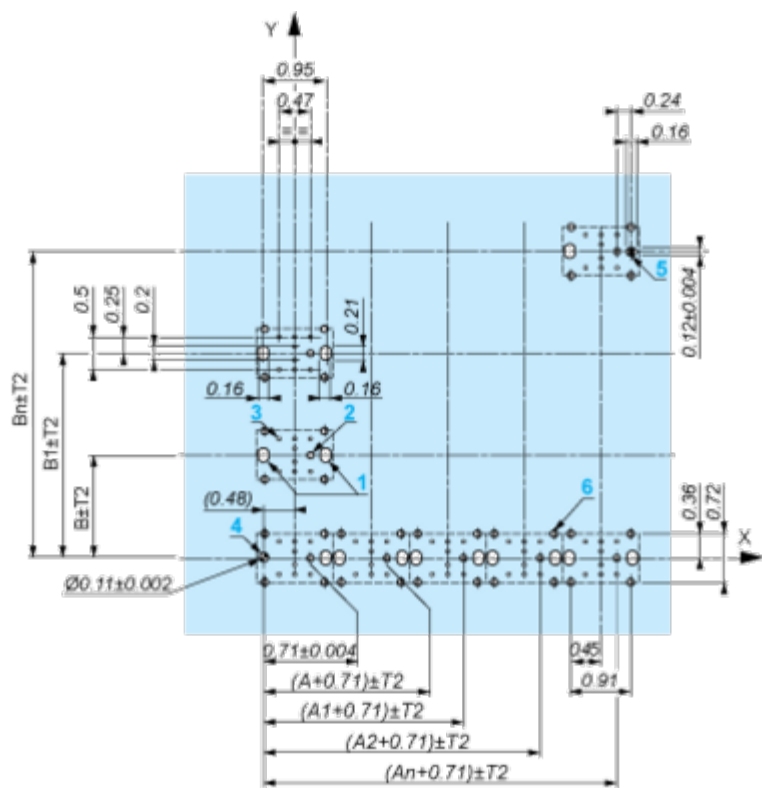
A: 30 mm min. / 1.18 in. min.  
B: 40 mm min. / 1.57 in. min.

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.

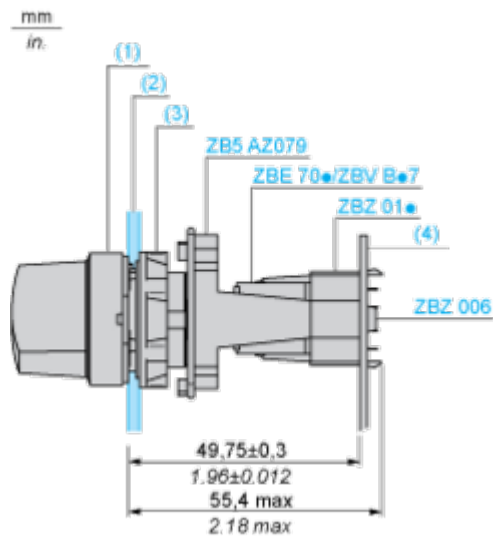
General Tolerances of the Panel and Printed Circuit Board

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 C3

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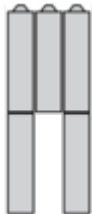
Electrical Composition Corresponding to Code C4

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Electrical Composition Corresponding to Code C5

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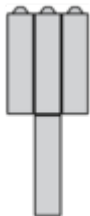
Electrical Composition Corresponding to Code C6

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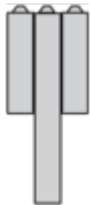
Electrical Composition Corresponding to Code C7

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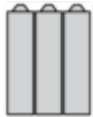


Electrical Composition Corresponding to Code C8

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



Electrical Composition Corresponding to Code C15

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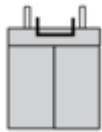
1 N/O



1 N/C



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





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   | Centre | Right  |
|          | State    |        | 1      | 1      | 0      |
|          |          |        |        |        |        |
| Contacts | N/O      |        | closed | closed | open   |
|          | N/C      |        | open   | open   | closed |

Position 0°



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

Position 45°



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

Technical Illustration

Dimensions

