

# Productinformatieblad

Specificaties



white flush pushbutton head colour  
plated grey

ZB5AA1C0

EAN Code: 3606489761882

Prijs: 6,42 EUR

## Hoofd

|                                     |                                  |
|-------------------------------------|----------------------------------|
| range of product                    | Harmony XB5                      |
| product of component type           | Kop voor niet-verlichte drukknop |
| device short name                   | ZB5                              |
| kraag materiaal                     | Kunststof gekleurd grijs         |
| bevestigingsdiameter                | 22 mm                            |
| koptype                             | Standaard                        |
| verkoop per ondeelbare hoeveelheid  | 1                                |
| vorm van kop<br>signaleringseenheid | Rond                             |
| type operator                       | terugverend                      |
| operator profiel                    | Wit verzonken, niet gemarkeerd   |

## Complementair

|                                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|--------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD totale breedte             | 29 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CAD totale hoogte              | 29 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| CAD totale diepte              | 28 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| gewicht product                | 0,018 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| mechanical durability          | 10000000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| naam station                   | XALD 1...5 uitsnijdingen<br>XALK 2...5 uitsnijdingen                                                                                                                                                                                                                                                                                                                                                                                                                        |
| elektrische samenstellingscode | C1 voor <9 contacten gebruik enkelvoudig blokken in vooraan gemonteerd<br>C2 voor <9 contacten gebruik enkelvoudig en dubbel blokken in vooraan gemonteerd<br>C11 voor <3 contacten gebruik enkelvoudig blokken in vooraan gemonteerd<br>C15 voor <1 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 |

## Omgeving

|                                     |                                               |
|-------------------------------------|-----------------------------------------------|
| beschermende behandeling            | TH                                            |
| ambient air temperature for storage | -40...70 °C                                   |
| omgevingstemperatuur voor werking   | -40...70 °C                                   |
| overvoltage category                | Klasse II In overeenstemming met IEC 60536    |
| IP beschermingsgraad                | IP66 In overeenstemming met IEC 60529<br>IP67 |
| Enclosure Type                      | UL type 4X/13                                 |
| weerstand hoge druk drukring        | 7000000 Pa om 55 °C, afstand: 0.1 m           |

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

|                        |                                                                                                                                                                                            |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| IK-beschermingsgraad   | IK03 In overeenstemming met IEC 50102                                                                                                                                                      |
| standards              | UL 508<br>JIS C8201-5-1<br>IEC 60947-1<br>IEC 60947-5-4<br>IEC 60947-5-1<br>CSA C22.2 Nr 14<br>JIS C8201-1                                                                                 |
| product certifications | BV<br>CSA<br>DNV<br>LROS (Lloyds register of shipping)<br>UL listed                                                                                                                        |
| 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 |
| trilling bestendigheid | 5 gn (f= 2...500 Hz) In overeenstemming met IEC 60068-2-6                                                                                                                                  |

## Verpakkingseenheid

|                                 |          |
|---------------------------------|----------|
| Eenheidstype van verpakking 1   | PCE      |
| Aantal eenheden in verpakking 1 | 1        |
| verpakking 1 hoogte             | 3,400 cm |
| verpakking 1 breedte            | 4,600 cm |
| verpakking 1 lengte             | 5,300 cm |
| verpakking_1_gewicht            | 16,000 g |

## contractuele waarborg

|                       |    |
|-----------------------|----|
| Garantie (in maanden) | 18 |
|-----------------------|----|



## 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

Milieu Profiel

[Milieuprofiel van het product](#)

## Use Better



### Materialen en verpakking

Gemiddeld percentage gerecycleerde kunststof

6 %

Gemiddeld percentage gerecycleerd metaal

29 %

Pakket met gerecycleerd karton

Ja

Verpakkingen zonder kunststof

Ja

RoHS-richtlijn van de EU

[Conform door vrijstelling](#)

REACH-verordening

[Referentie bevat zorgwekkende stoffen \(SVHC\) boven drempelwaarde](#)

## Use Longer



### Levensduurverlenging

Reparatie

Nee

## Use Again



### Herverpakken en herfabriceren

Circulair Profiel

[Informatie over einde levensduur](#)

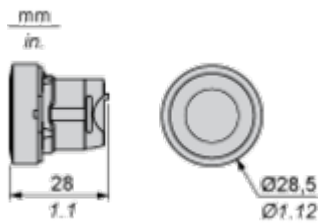
Terugname

Ja

Dimensions Drawings

Dimensions

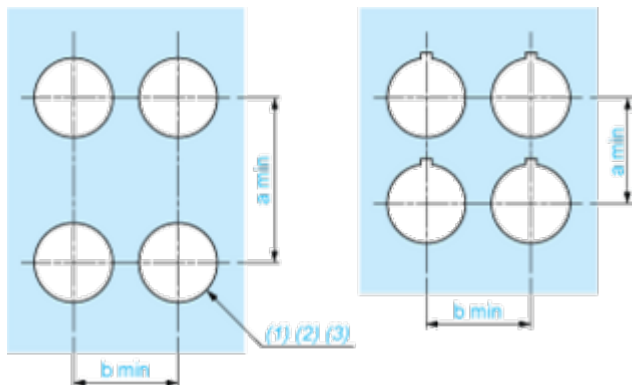
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Mounting and Clearance

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

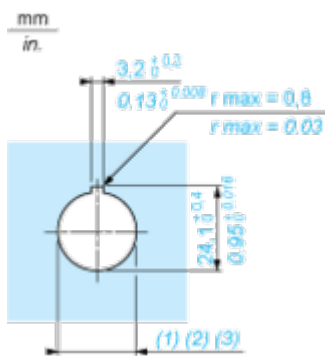
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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     |

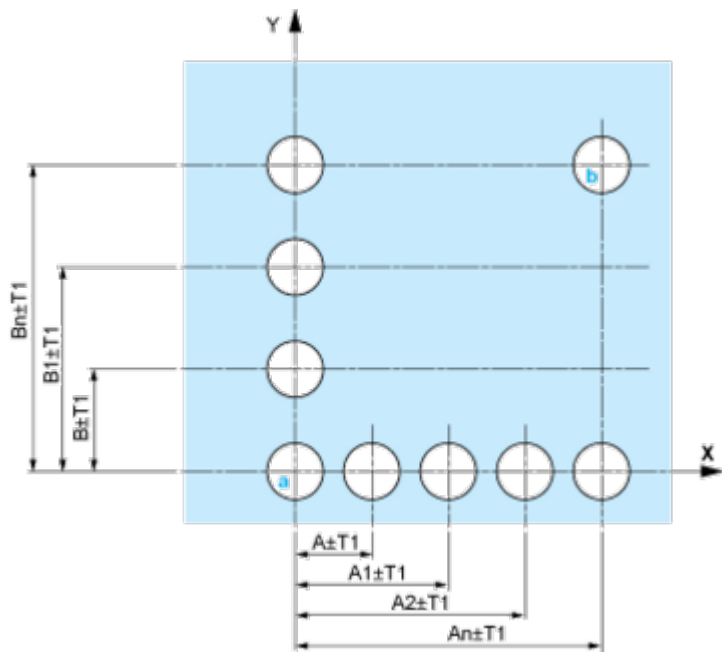
Detail of Lug Recess



- (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

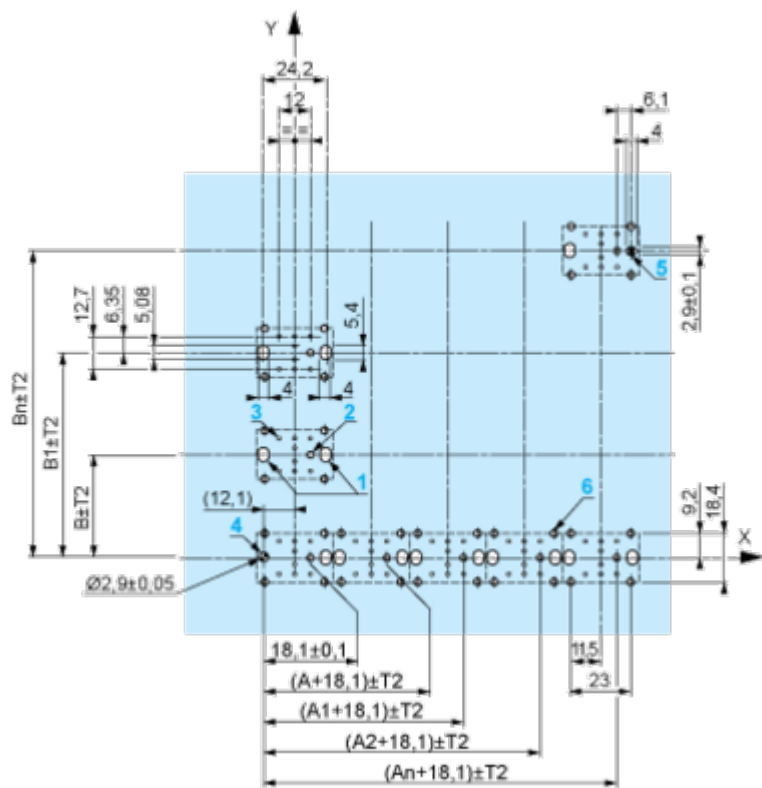
Panel Cut-outs (Viewed from Installer's Side)



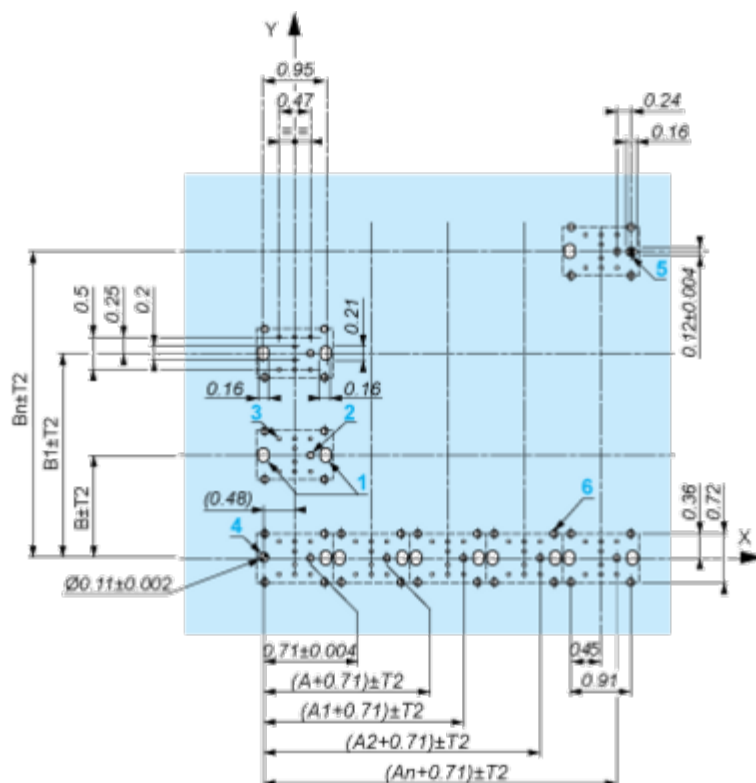
- A: 30 mm min. / 1.18 in. min.
- B: 40 mm min. / 1.57 in. min.

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.

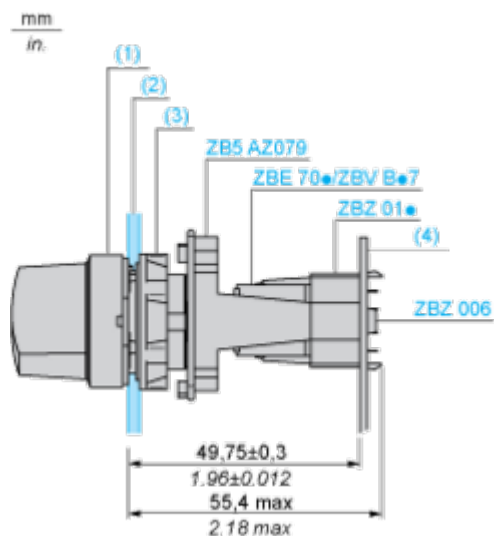
### General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.3 mm / 0.012 in.:  $T1 + T2 = 0.3 \text{ mm max.}$

## Installation Precautions

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm  $\pm$  0.1 / 0.88 in.  $\pm$  0.004
- Orientation of body/fixing collar ZB5AZ009:  $\pm$  2° 30' (excluding cut-outs marked **a** and **b**).
- Tightening torque of screws ZB2006: 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 C1

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Electrical Composition Corresponding to Code C2

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



Electrical Composition Corresponding to Code C15

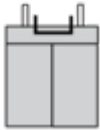
1 N/O



1 N/C



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



Legend

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Single contact



Double contact



Light block

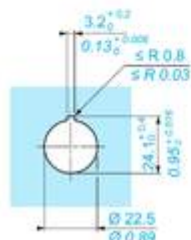
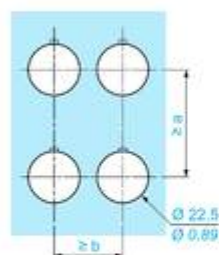
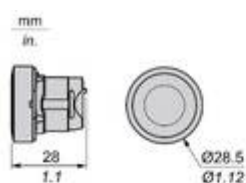


Possible location



## Technical Illustration

## Dimensions



|                                                                                    |                                                                                    | a (mm) | a (in.) | b (mm) | b (in.) |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------|---------|--------|---------|
|   |   | 40     | 1.57    | 30     | 1.18    |
| ZBE.....                                                                           | ZBV.....                                                                           |        |         |        |         |
|   |   | 45     | 1.77    | 32     | 1.26    |
| ZBE.....3                                                                          | ZBV.....3                                                                          |        |         |        |         |
|   |   | 40     | 1.57    | 30     | 1.18    |
| ZBE.....4                                                                          | ZBV.....4                                                                          |        |         |        |         |
|   |   | 50     | 1.97    | 30     | 1.18    |
| ZBE.....5                                                                          | ZBV.....5                                                                          |        |         |        |         |
|   |   | 40     | 1.57    | 30     | 1.18    |
| ZBE.....9                                                                          | ZBV.....9                                                                          |        |         |        |         |
|  |  | 40     | 1.57    | 30     | 1.18    |
| ZBRT                                                                               | ZBRV1                                                                              |        |         |        |         |

Offer Marketing Illustration

Product benefits / Features



Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB5



Quick and easy assembly and disassembly



Excellent mechanical connection with operator head



Various types of connection: screw clamp, connector, Faston connector, spring terminal, or printed circuit board



Robustness to withstand harsh environments



Large set of accessories to customize your panels





Image of product / Alternate images

Alternative

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