

# Productinformatieblad

Specificaties



## Harmony XB5, Kop voor signaallamp, BA9S, Rood

ZB5AV04

EAN Code: 3389110908091

Prijs: 4,77 EUR

### Hoofd

|                                    |                         |
|------------------------------------|-------------------------|
| range of product                   | Harmony XB5             |
| product of component type          | Kop voor controlelampje |
| compatibiliteit product            | BA 9s                   |
| device short name                  | ZB5                     |
| kraag materiaal                    | Donkergrijs kunststof   |
| bevestigingsdiameter               | 22 mm                   |
| koptype                            | Standaard               |
| verkoop per ondeelbare hoeveelheid | 1                       |
| vorm van kop signaleringseenheid   | Rond                    |
| kap/operator of lenskleur          | Rood                    |
| extra informatie operator          | Met gewone lens         |

### Complementair

|                                |                                                                                                                                  |
|--------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| CAD totale breedte             | 29 mm                                                                                                                            |
| CAD totale hoogte              | 29 mm                                                                                                                            |
| CAD totale diepte              | 31 mm                                                                                                                            |
| gewicht product                | 0,018 kg                                                                                                                         |
| naam station                   | XALD 1...5 uitsnijdingen<br>XALK 2...5 uitsnijdingen                                                                             |
| elektrische samenstellingscode | P3 in vooraan gemonteerd met BA 9s<br>P4 in vooraan gemonteerd met BA 9s en transformator<br>PF2 in vooraan gemonteerd met BA 9s |
| product presentatie            | Basisonderdeel                                                                                                                   |

### 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 In overeenstemming met IEC 60529<br>IP69 In overeenstemming met IEC 60529<br>IP69K In overeenstemming met ISO 20653 |
| Enclosure Type                      | UL type 4X/13                                                                                                                                                     |

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

|                              |                                                                                                                                                                                            |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| weerstand hoge druk drukring | 7000000 Pa om 55 °C, afstand: 0.1 m                                                                                                                                                        |
| IK-beschermingsgraad         | IK05 In overeenstemming met IEC 50102                                                                                                                                                      |
| standards                    | IEC 60947-5-1<br>CSA C22.2 Nr 14<br>IEC 60947-5-5<br>IEC 60947-5-4<br>JIS C8201-5-1<br>IEC 60947-1<br>UL 508<br>JIS C8201-1                                                                |
| 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             | 4,500 cm  |
| verpakking 1 breedte            | 3,400 cm  |
| verpakking 1 lengte             | 5,400 cm  |
| verpakking_1_gewicht            | 16,000 g  |
| Eenheidstype van verpakking 2   | S03       |
| Aantal eenheden in verpakking 2 | 300       |
| verpakking 2 hoogte             | 30 cm     |
| verpakking 2 breedte            | 30 cm     |
| verpakking 2 lengte             | 40 cm     |
| verpakking 2 gewicht            | 5,206 kg  |
| Eenheidstype van verpakking 3   | P06       |
| Aantal eenheden in verpakking 3 | 2400      |
| verpakking_3_hoogte             | 75,000 cm |
| verpakking 3 breedte            | 80,000 cm |
| verpakking 3 lengte             | 60,000 cm |
| verpakking 3 gewicht            | 49,648 kg |

## 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

|                                                         |                |
|---------------------------------------------------------|----------------|
| Totale levenscyclus ecologische voetafdruk              | 0.2 kg CO2 eq. |
| Koolstofvoetafdruk van de fabricagefase [A1–A3]         | 0.1 kg CO2 eq. |
| Koolstofvoetafdruk van de distributiefase [A4]          | 0 kg CO2 eq.   |
| Koolstofvoetafdruk van de installatiefase [A5]          | 0 kg CO2 eq.   |
| Koolstofvoetafdruk van de gebruiksfase [B2, B3, B4, B6] | 0 kg CO2 eq.   |
| Koolstofvoetafdruk van de einde-levensfase [C1–C4]      | 0 kg CO2 eq.   |

## Use Better



### Materialen en verpakking

|                                              |                                                                |
|----------------------------------------------|----------------------------------------------------------------|
| Gemiddeld percentage gerecycleerde kunststof | 16 %                                                           |
| Pakket met gerecycleerd karton               | Ja                                                             |
| Verpakkingen zonder kunststof                | Ja                                                             |
| RoHS-richtlijn van de EU                     | <a href="#">Conform</a>                                        |
| REACH-verordening                            | <a href="#">Referentie bevat geen SVHC boven drempelwaarde</a> |

## Use Longer



### Levensduurverlenging

|           |     |
|-----------|-----|
| Reparatie | Nee |
|-----------|-----|

## Use Again



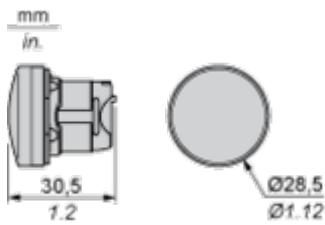
### Herverpakken en herfabriceren

|                                        |                                                  |
|----------------------------------------|--------------------------------------------------|
| Percentage mogelijke recycleerbaarheid | 22                                               |
| Circulair Profiel                      | <a href="#">Informatie over einde levensduur</a> |
| Terugname                              | Ja                                               |

Dimensions Drawings

Dimensions

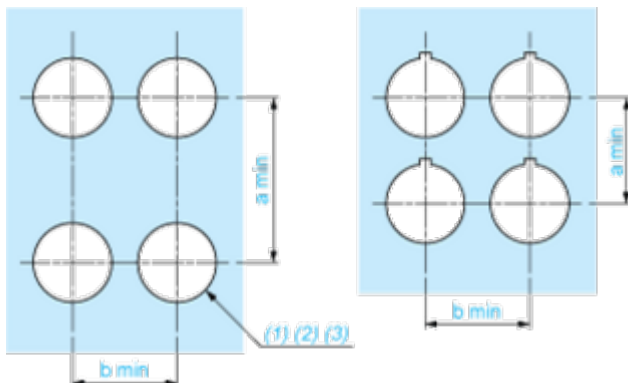
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## Mounting and Clearance

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

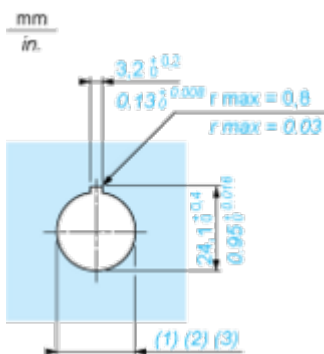
### Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (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 (Ø22.3  $^{+0.4}_0$ ) / Ø0.89 in. recommended (Ø0.88 in.  $^{+0.016}_0$ )

| 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     |

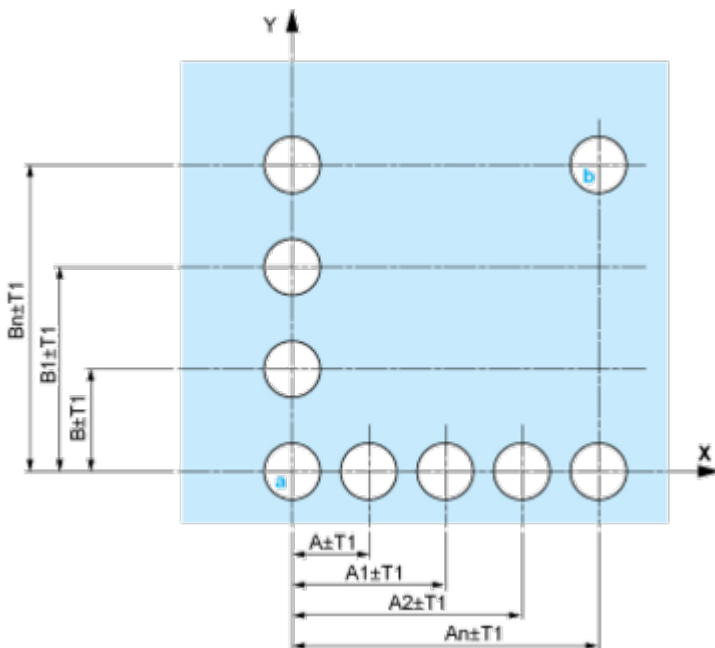
### Detail of Lug Recess



- (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) Ø22.5 mm recommended (Ø22.3<sup>+0.4</sup>) / Ø0.89 in. recommended (Ø0.88 in.<sup>+0.016</sup>)

## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

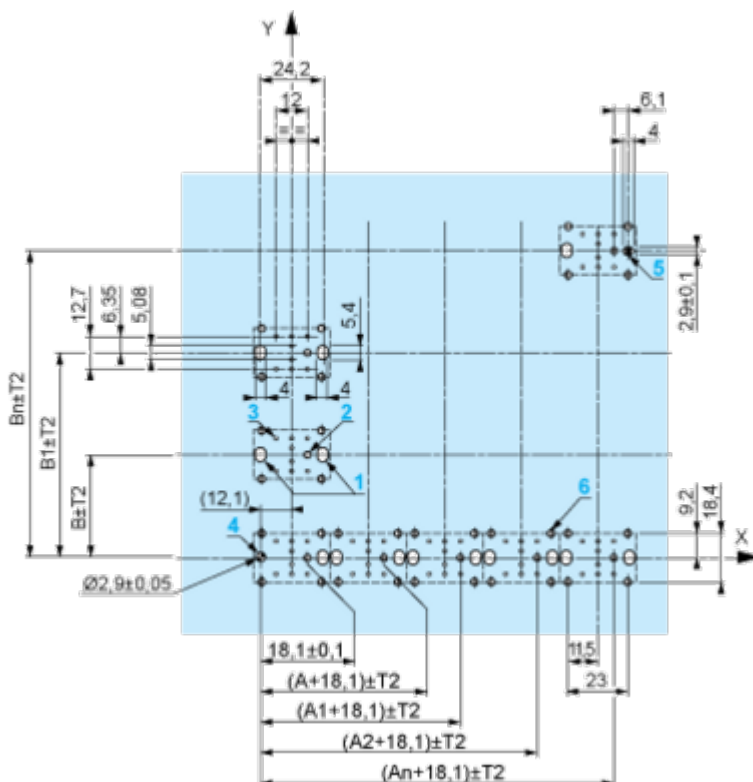


**A:** 30 mm min. / 1.18 in. min.

**B:** 40 mm min. / 1.57 in. min.

### Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

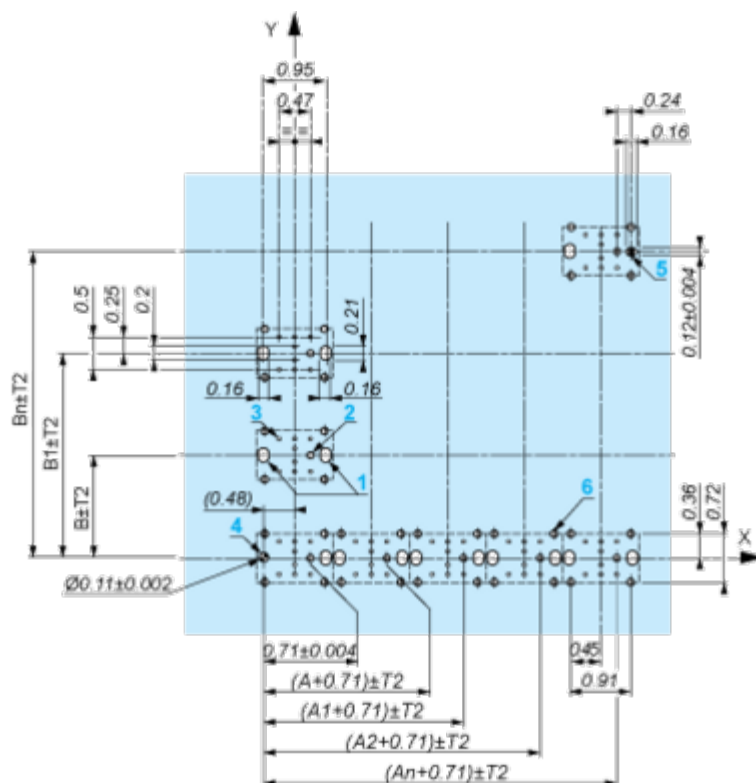
Dimensions in mm



**A:** 30 mm min.

**B:** 40 mm min.

Dimensions in in.



**A:** 1.18 in. min.

**B:** 1.57 in. min.

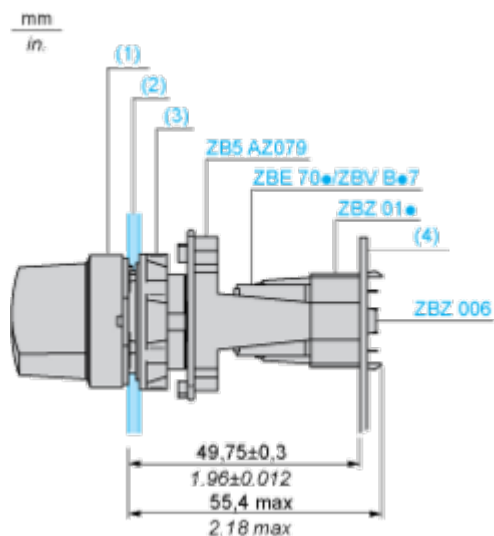
### General Tolerances of the Panel and Printed Circuit Board

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 ± 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 Codes P1, P3, PF1, PR1 and PF2

Light block



Electrical Composition Corresponding to Code P4

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Legend

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Single contact



Double contact



Light block

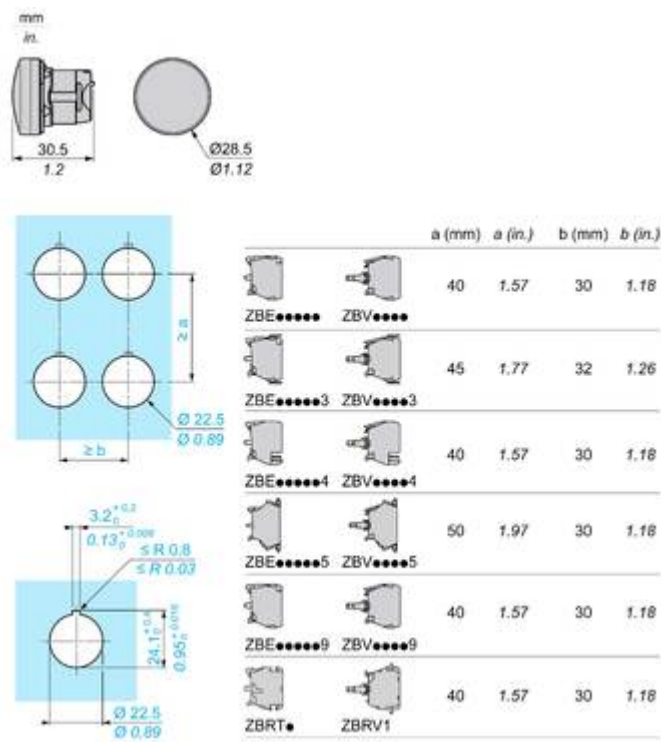


Possible location



Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB4/XB5 Illuminated functions



NEW universal LED Block for all colors





Simple stock management





Improved installation time and easy selection





Improved color intensity and brightness



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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