

# Fișă tehnică produs

Specificatii



## Cap de Buton Proeminent Rosu Ø22, cu Revenire cu Arc, Nemarcat

ZB4BP4

### Principale

|                                         |                                   |
|-----------------------------------------|-----------------------------------|
| gama de produse                         | Harmony XB4                       |
| Tip produs sau componenta               | Cap pentru buton neiluminat       |
| nume scurt al dispozitivului            | ZB4                               |
| compatibilitate produs                  | not compatible with legend holder |
| material rama                           | Metal cromat                      |
| diametrul de montaj                     | 22,5 mm                           |
| cantitate indivizibila de vanzare       | 1                                 |
| tip cap                                 | Standard                          |
| forma a capului unitatii de semnalizare | Rotund                            |
| tip de operator                         | revenire cu arc                   |
| profil utilizator                       | Rosu proiectare, nemarcat         |
| informatii suplimentare operator        | Invelis transparent               |
| capac/operator sau culoare lentila      | Rosu                              |

### Suplimentare

|                          |                                                                                                                                                                                                                                                                                    |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| CAD latime globala       | 30 mm                                                                                                                                                                                                                                                                              |
| CAD inaltime globala     | 30 mm                                                                                                                                                                                                                                                                              |
| CAD adancime globala     | 35 mm                                                                                                                                                                                                                                                                              |
| durabilitate mecanica    | 10000000 cic                                                                                                                                                                                                                                                                       |
| cod compozitie electrica | C1 pentru <9 contacte utilizand monofilar bloc in montajin fata<br>C2 pentru <9 contacte utilizand single and double bloc in montajin fata<br>C11 pentru <3 contacte utilizand monofilar bloc in montajin fata<br>C15 pentru <1 contacte utilizand monofilar bloc in montajin fata |
| prezentare dispozitiv    | Element de baza                                                                                                                                                                                                                                                                    |

### Mediu

|                                         |                                          |
|-----------------------------------------|------------------------------------------|
| tratament protector                     | TH                                       |
| temperatura ambietala pentru depozitare | -40...70 °C                              |
| temperatura ambientala de functionare   | -40...70 °C                              |
| categorie de supratensiune              | Class I conforming to IEC 60536          |
| grad de protectie IP                    | IP66 conformitate cu SR EN 60529<br>IP67 |

Declinare de responsabilitate: Această documentație nu se substituie și nu trebuie utilizată pentru stabilirea adecvării sau fiabilității acestor produse pentru aplicații utilizator

|                        |                                                                                                                                                                                      |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| grad de protectie NEMA | NEMA 13<br>NEMA 4X                                                                                                                                                                   |
| grad de protectie IK   | IK06 conforming to IEC 50102                                                                                                                                                         |
| standarde              | UL 60947-1<br>SR EN 60947-5-4<br>SR EN 60947-5-1<br>IEC 60947-1<br>IEC 60947-5-5<br>JIS C8201-5-1<br>CSA C22.2 No 15<br>JIS C8201-1                                                  |
| certificari produs     | BV<br>CSA<br>DNV<br>LROS (Lloyds register of shipping)<br>listat de UL                                                                                                               |
| rezistenta la vibratii | 5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6                                                                                                                                     |
| rezistenta la socuri   | 30 gn (durata = 18 ms) pentru half sine wave acceleration conformitate cu IEC 60068-2-27<br>50 gn (durata = 11 ms) pentru half sine wave acceleration conformitate cu IEC 60068-2-27 |

## Unitati de ambalare

|                                                       |           |
|-------------------------------------------------------|-----------|
| Unitate de masura pentru prima forma de impachetare   | PCE       |
| Numar unitati in prima forma de impachetare           | 1         |
| Inaltime prima forma de impachetare                   | 4,500 cm  |
| Latime prima forma de impachetare                     | 3,400 cm  |
| Lungime prima forma de impachetare                    | 5,400 cm  |
| Greutate prima forma de impachetare                   | 32,000 g  |
| Unitate de masura pentru a doua forma de impachetare  | BB1       |
| Numar unitati in a doua forma de impachetare          | 5         |
| Inaltime a doua forma de impachetare                  | 4,500 cm  |
| Latime a doua forma de impachetare                    | 3,400 cm  |
| Lungime a doua forma de impachetare                   | 26,500 cm |
| Greutate a doua forma de impachetare                  | 161,000 g |
| Unitate de masura pentru a treia forma de impachetare | S03       |
| Numar unitati in a treia forma de impachetare         | 300       |
| Inaltime a treia forma de impachetare                 | 30,000 cm |
| Latime a treia forma de impachetare                   | 30,000 cm |
| Lungime a treia forma de impachetare                  | 40,000 cm |
| Greutate a treia forma de impachetare                 | 10,080 kg |

## Garanție contractuală

|          |         |
|----------|---------|
| Garantie | 18 luni |
|----------|---------|

Environmental Data

Schneider Electric isi propune sa atinga nivelul Net Zero pana in 2050 prin parteneriate la nivelul lantului de aprovizionare, materiale cu impact mai redus si circularitate, prin campania „Use Better, Use Longer, Use Again” pentru a extinde durata de viata a produselor si reciclabilitatea.

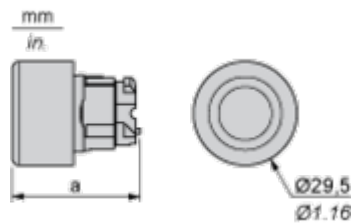
Environmental Data explicate >

Cum evaluam sustenabilitatea produselor >

|                                        |                                                                           |
|----------------------------------------|---------------------------------------------------------------------------|
| 🌱 <b>Amprenta de mediu</b>             |                                                                           |
| Amprenta de carbon (kg CO2 eq.)        | 1                                                                         |
| Raport de mediu                        | <a href="#">Profilul ambiental al produsului</a>                          |
| Use Better                             |                                                                           |
| 📦 <b>Materiale si ambalare</b>         |                                                                           |
| Pachet cu carton reciclabil            | Da                                                                        |
| Ambalaj fara plastic                   | Da                                                                        |
| <a href="#">Directiva RoHS UE</a>      | Conformitate proactiva (Produs in afara domeniului de aplicare a EU RoHS) |
| Regulamentul REACH                     | <a href="#">Declaratia REACH</a>                                          |
| Use Again                              |                                                                           |
| 🔄 <b>Reambalare si refabricare</b>     |                                                                           |
| Profil circularitate                   | <a href="#">Informatii privind sfarsitul duratei de viata</a>             |
| Preluare la sfarsitul duratei de viata | No                                                                        |

Dimensions Drawings

Dimensions



|          | a in mm | a in in. |
|----------|---------|----------|
| ZB4BP••  | 36.5    | 1.44     |
| ZB4BP•S  | 33      | 1.30     |
| ZB4BP•83 | 32      | 1.26     |
| ZB4BP•   | 35      | 1.38     |

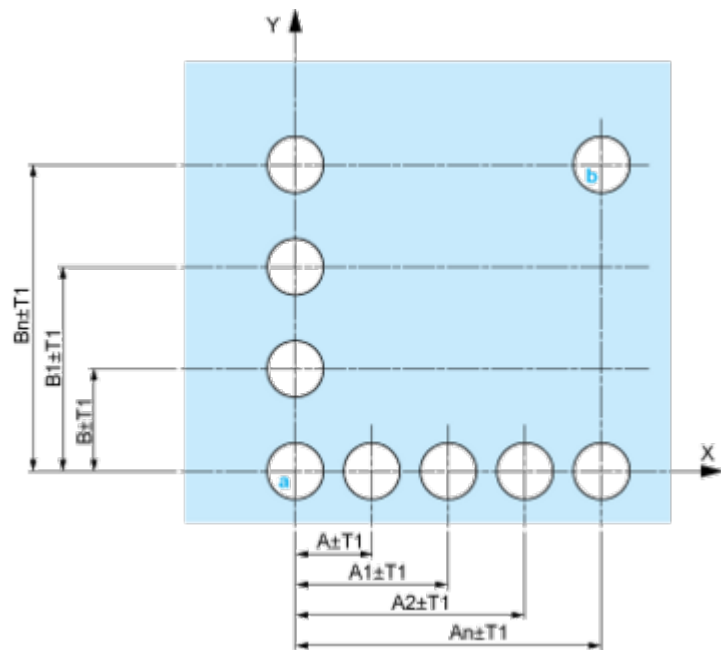
Mounting and Clearance

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                                                                                                                                                                                                                                                                       | Connection by Faston Connectors |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|
|                                                                                                                                                                                                                                                                                                                                                             |                                 |
| <div>(1) Diameter on finished panel or support</div> <div>(2) 40 mm min. / 1.57 in. min.</div> <div>(3) 30 mm min. / 1.18 in. min.</div> <div>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm<sup>+0.4</sup><sub>0</sub> / 0.88 in.<sup>+0.016</sup><sub>0</sub>)</div> <div>(5) 45 mm min. / 1.78 in. min.</div> <div>(6) 32 mm min. / 1.26 in. min.</div> |                                 |

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 ZB4 BZ009:  $\pm 2^\circ 30'$  (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:
  - every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - 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  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  for centring adapter ZBZ 01•
- 3  $8 \times \varnothing 1.2 \text{ mm} / 0.05 \text{ in.}$  holes
- 4 1 hole  $\varnothing 2.9 \text{ mm} \pm 0.05 / 0.11 \text{ in.} \pm 0.002$ , 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  $\varnothing 2.4 \text{ mm} / 0.09 \text{ in.}$  for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the  $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$  holes for centring adapter ZBZ 01•.

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

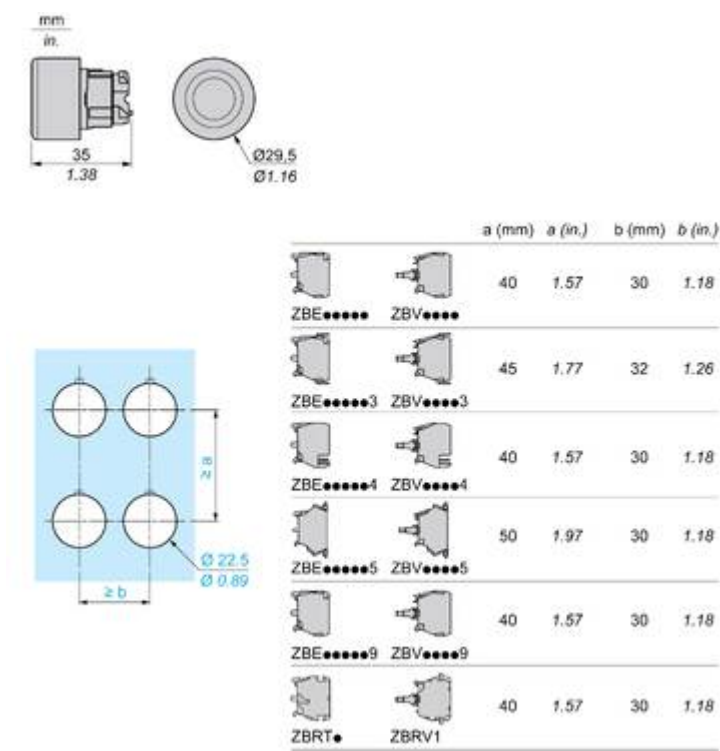


Possible location



Technical Illustration

Dimensions



Offer Marketing Illustration

Product benefits / Features

### Features

Harmony XB4



Quick and easy assembly and disassembly



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



Excellent mechanical connection with operator head



Large set of accessories to customize your panels



Robustness to withstand harsh environments



Offer Marketing Illustration

Product benefits / Features

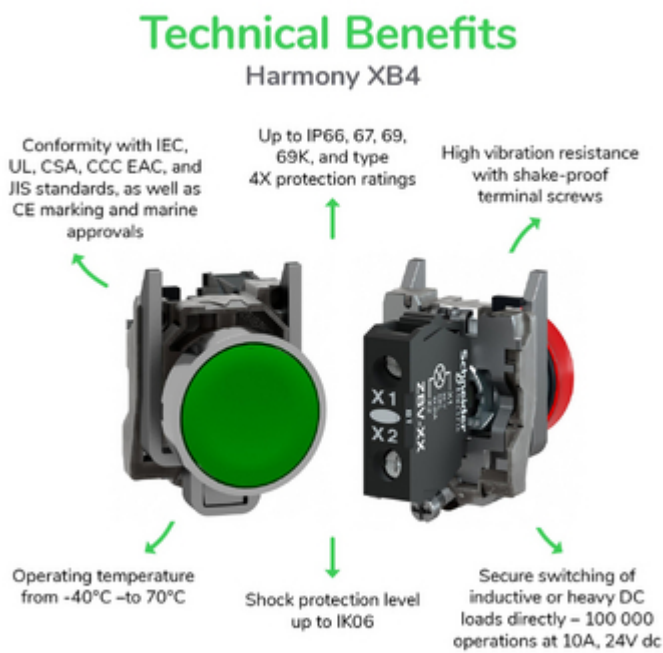


Image of product / Alternate images

Alternative

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