

# Fișă tehnică produs

Specificatii



## Cap de Selector Negru Ø22, cu Revenire cu Arc In 2 Pozitii

ZB4BD4

### Principale

gama de produse	Harmony XB4
Tip produs sau componenta	Cap pentru selector
nume scurt al dispozitivului	ZB4
material rama	Metal cromat
diametrul de montaj	22,5 mm
tip cap	Standard
cantitate indivizibila de vanzare	1
forma a capului unitatii de semnalizare	Rotund
tip de operator	De la dreapta spre stânga revenire cu arc
profil utilizator	Negru mâner standard
informatii de pozitie operator	2 pozitii 90°
capac/operator sau culoare lentila	Negru

### Suplimentare

CAD latime globala	29 mm
CAD inaltime globala	29 mm
CAD adancime globala	44 mm
greutate produs	0,045 kg
rezistenta la spalare cu presiune inalta	7000000 Pa la 55 °C, distanta : 0.1 m
durabilitate mecanica	1000000 cic
cod compozitie electrica	C3 pentru <6 contacte utilizand monofilar bloc in montajin fata C4 pentru <6 contacte utilizand single and double bloc in montajin fata C5 pentru <5 contacte utilizand monofilar bloc in montajin fata C6 pentru <5 contacte utilizand single and double bloc in montajin fata C7 pentru <4 contacte utilizand monofilar bloc in montajin fata C8 pentru <4 contacte utilizand single and double bloc in montajin fata C11 pentru <3 contacte utilizand monofilar bloc in montajin fata C15 pentru <1 contacte utilizand monofilar bloc in montajin fata

prezentare dispozitiv	Element de baza
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### Mediu

tratament protector	TH
temperatura ambientala pentru depozitare	-40...70 °C
temperatura ambientala de functionare	-40...70 °C
categorie de supratensiune	Class I conforming to IEC 60536

<b>grad de protectie IP</b>	IP67 conformitate cu SR EN 60529 IP69 IP69K
<b>Enclosure Type</b>	UL type 4X/13
<b>grad de protectie IK</b>	IK06 conformitate cu IEC 50102
<b>standarde</b>	SR EN 60947-5-4 IEC 60947-5-5 IEC 60947-1 UL 60947-1 CSA C22.2 No 15 SR EN 60947-5-1 JIS C8201-5-1 JIS C8201-1
<b>certificari produs</b>	BV CSA DNV LROS (Lloyds register of shipping) listat de UL
<b>rezistenta la vibratii</b>	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
<b>rezistenta la socuri</b>	30 gn (durata = 18 ms) pentru half sine wave acceleration conformitate cu IEC 60068-2-27 50 gn (durata = 11 ms) pentru half sine wave acceleration conformitate cu IEC 60068-2-27

## Unitati de ambalare

<b>Unitate de masura pentru prima forma de impachetare</b>	PCE
<b>Număr de produse în pachet</b>	1
<b>Înălțime prima forma de impachetare</b>	3,6 cm
<b>Latime prima forma de impachetare</b>	5,4 cm
<b>Lungime prima forma de impachetare</b>	5,5 cm
<b>Greutate colet(Lbs)</b>	51 g
<b>Unitate de masura pentru a doua forma de impachetare</b>	S03
<b>Numar unitati in a doua forma de impachetare</b>	200
<b>Înălțime a doua forma de impachetare</b>	30 cm
<b>Latime a doua forma de impachetare</b>	30 cm
<b>Lungime a doua forma de impachetare</b>	40 cm
<b>Greutate a doua forma de impachetare</b>	10,565 kg

## Garanție contractuală

<b>Garantie (in luni)</b>	18
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Schneider Electric își propune să atingă nivelul Net Zero până în 2050 prin parteneriate la nivelul lanțului de aprovizionare, materiale cu impact mai redus și circularitate, prin campania „Use Better, Use Longer, Use Again” pentru a extinde durata de viață a produselor și reciclabilitatea.

[Environmental Data explicate >](#)

[Cum evaluăm sustenabilitatea produselor >](#)

### **Amprenta de mediu**

Amprenta de carbon totală pe durata de viață	0.4 kg CO2 eq.
Amprenta de carbon a fazei de fabricație [A1–A3]	0.3 kg CO2 eq.
Amprenta de carbon a fazei de distribuție [A4]	0 kg CO2 eq.
Amprenta de carbon a fazei de instalare [A5]	0 kg CO2 eq.
Amprenta de carbon a fazei de utilizare [B2, B3, B4, B6]	0 kg CO2 eq.
Amprenta de carbon a fazei de sfârșit de viață [C1–C4]	0.1 kg CO2 eq.

### **Use Better**

#### **Materiale și ambalare**

Procentul mediu de conținut de plastic reciclat	66 %
Procentul mediu de conținut de metal reciclat	21 %
Pachet cu carton reciclabil	Nu
Ambalaj fără plastic	Nu
Directiva RoHS a UE	<a href="#">Conform</a>
Regulamentul REACH	<a href="#">Referința nu conține SVHC peste prag</a>

### **Use Longer**

#### **Prelungire durată de viață**

Reparare	Nu
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### **Use Again**

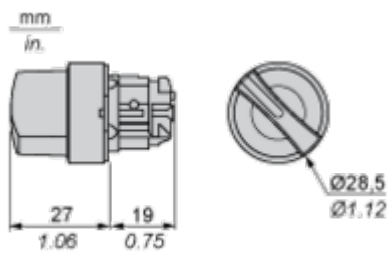
#### **Reambalare și refabricare**

Profil circularitate	<a href="#">Informații privind sfârșitul duratei de viață</a>
Preluare la sfârșitul duratei de viață	Da

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	Connection by Faston Connectors
	
<p>(1) Diameter on finished panel or support                  (2) 40 mm min. / 1.57 in. min.                  (3) 30 mm min. / 1.18 in. min.                  (4) <math>\varnothing 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm }_0^{+0.4} / 0.88 \text{ in. }_0^{+0.016})</math>                  (5) 45 mm min. / 1.78 in. min.                  (6) 32 mm min. / 1.26 in. min.</p>	





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 ZB4 BZ009: ± 2° 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 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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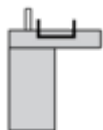
Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1



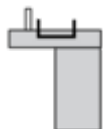
Electrical Composition Corresponding to Code C15

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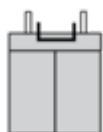
1 N/O



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 2-position Selector Switch Body

Position 315°



<b>Push</b>	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		0	0	0
	Contacts		N/O	open	open
		N/C	closed	closed	closed

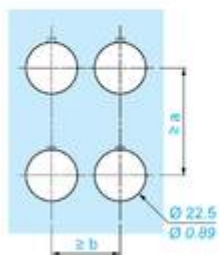
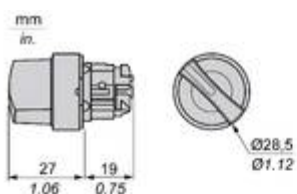
Position 45°



<b>Push</b>	Position	Top			
		Bottom			
	Location		Left	Centre	Right
	State		1	1	1
Contacts		N/O	closed	closed	closed
		N/C	open	open	open

## 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				

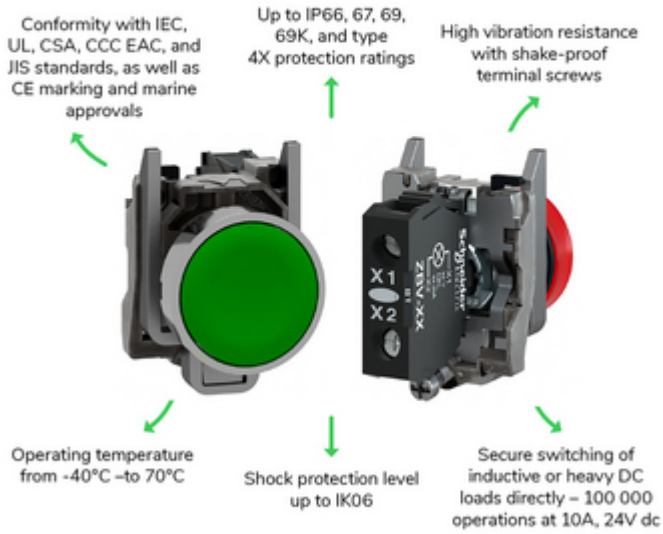
Offer Marketing Illustration

Product benefits / Features

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## Technical Benefits

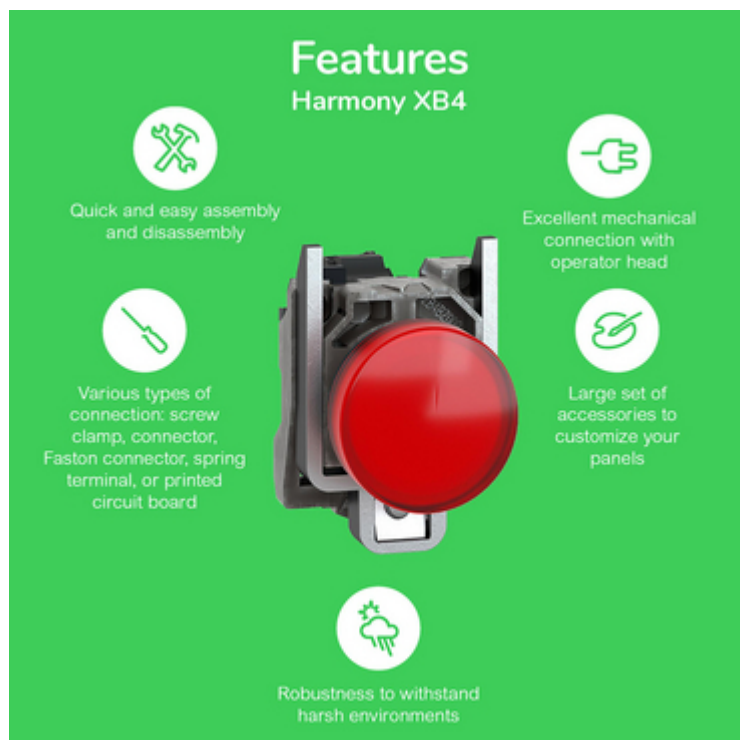
### Harmony XB4



Offer Marketing Illustration

Product benefits / Features

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The infographic features a central image of a red Schneider XB4 terminal block. It is surrounded by five circular icons, each with a corresponding text description of a feature. The background is a solid green color.

### 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

Image of product / Alternate images

Alternative

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