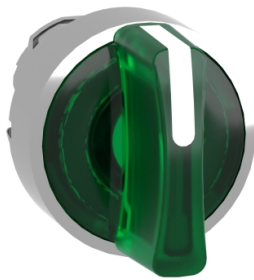


Fișă tehnică produs

Specificatii



Cap de Selector Iluminat Verde Ø22, Opreire In 3 Pozitii

ZB4BK1333

Principale

gama de produse	Harmony XB4
Tip produs sau componenta	Cap pentru selector iluminat
Compatibilitate produs	Universal LED
nume scurt al dispozitivului	ZB4
material rama	Metal cromat
tip cap	Standard
diametrul de montaj	22 mm
cantitate indivizibila de vanzare	1
forma a capului unitatii de semnalizare	Rotund
tip de operator	fără revenire
profil utilizator	Verde mâner standard
informatii de pozitie operator	3 poziții +/- 45°

Suplimentare

CAD latime globala	29 mm
CAD inaltime globala	29 mm
CAD adancime globala	43 mm
greutate neta	0,036 kg
rezistenta la spalare cu presiune inalta	7000000 Pa la 55 °C, distanta : 0.1 m
durabilitate mecanica	500000 cic
cod compozitie electrica	M3 pentru <4 contacte utilizand monofilar bloc in montajin fata cu LED integral M6 pentru <2 contacte utilizand monofilar bloc in montajin fata cu integral LED and transformer M10 pentru <2 contacte utilizand monofilar bloc in montajin fata cu LED integral M4 pentru <4 contacte utilizand single and double bloc in montajin fata cu LED integral
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

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 IP	IP66 conformitate cu SR EN 60529 IP67 IP69 IP69K
grad de protectie NEMA	NEMA 13 NEMA 4X
grad de protectie IK	IK04 conforming to IEC 50102
standarde	JIS C8201-5-1 SR EN 60947-5-4 SR EN 60947-5-1 CSA C22.2 No 15 IEC 60947-5-5 UL 60947-1 IEC 60947-1 JIS C8201-1
certificari produs	CSA DNV BV LROS (Lloyds register of shipping) 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 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
Număr de produse în pachet	1
Inaltime prima forma de impachetare	3,600 cm
Latime prima forma de impachetare	5,300 cm
Lungime prima forma de impachetare	5,400 cm
Greutate colet(Lbs)	40,000 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	5,000 cm
Latime a doua forma de impachetare	3,300 cm
Lungime a doua forma de impachetare	26,500 cm
Greutate a doua forma de impachetare	203,000 g
Unitate de masura pentru a treia forma de impachetare	S03
Numar unitati in a treia forma de impachetare	250
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	10,685 kg

Garanție contractuală

Garantie (in luni)	18
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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.

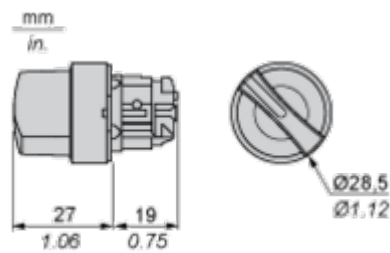
[Environmental Data explicate >](#)

[Cum evaluam sustenabilitatea produselor >](#)

Amprenta de mediu	
Amprenta de carbon totala pe durata de viata	1
Use Better	
Materiale si ambalare	
Pachet cu carton reciclabil	Nu
Ambalaj fara plastic	Nu
Directiva RoHS UE	Conformitate proactivă (Produs în afara domeniului de aplicare a EU RoHS)
Regulamentul REACH	Declaratia REACH
Use Again	
Reambalare si refabricare	
Profil circularitate	Informatii privind sfarsitul duratei de viata
Preluare la sfarsitul duratei de viata	Da

Dimensions Drawings

Dimensions



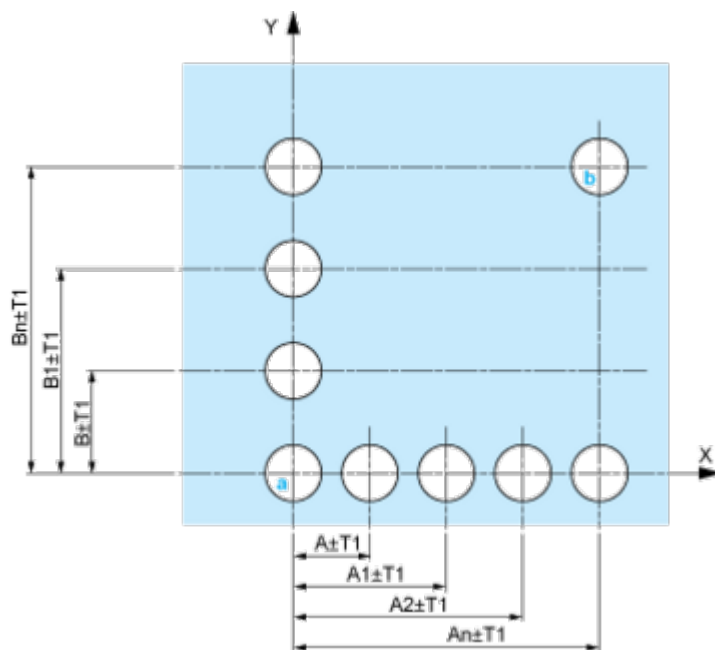
Mounting and Clearance

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
(1) Diameter on finished panel or support (2) 40 mm min. / 1.57 in. min. (3) 30 mm min. / 1.18 in. min. (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm $^{+0.4}_0$ / 0.88 in. $^{+0.016}_0$) (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.	

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

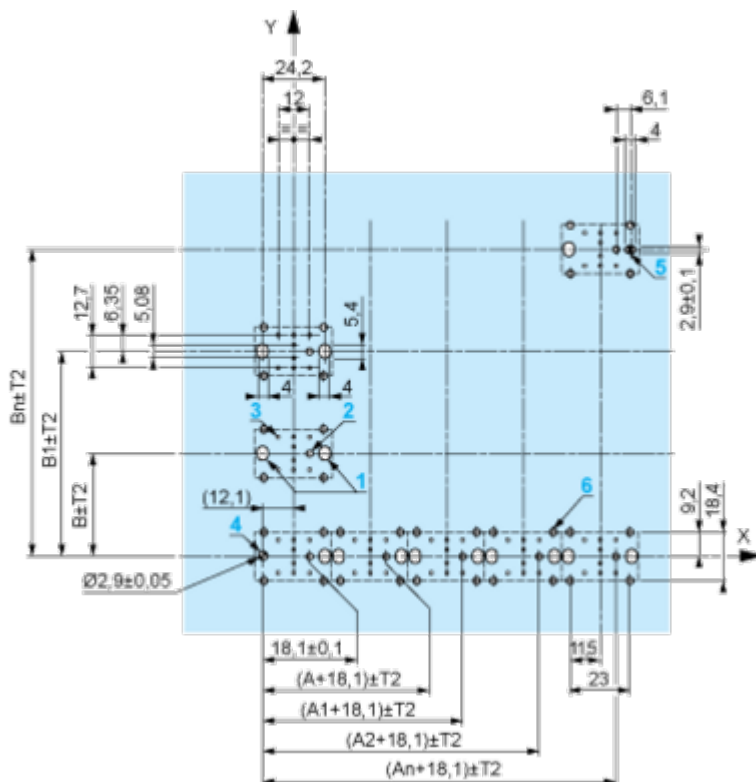


A: 30 mm min. / 1.18 in. min.

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

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

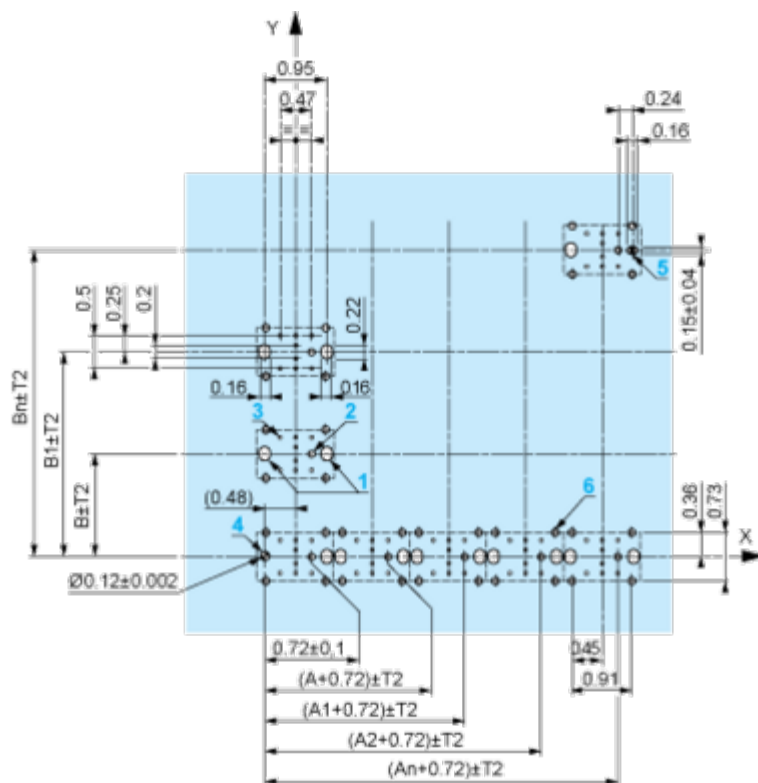
Dimensions in mm



A: 30 mm min.

B: 40 mm min.

Dimensions in in.



A: 1.18 in. min.

B: 1.57 in. min.

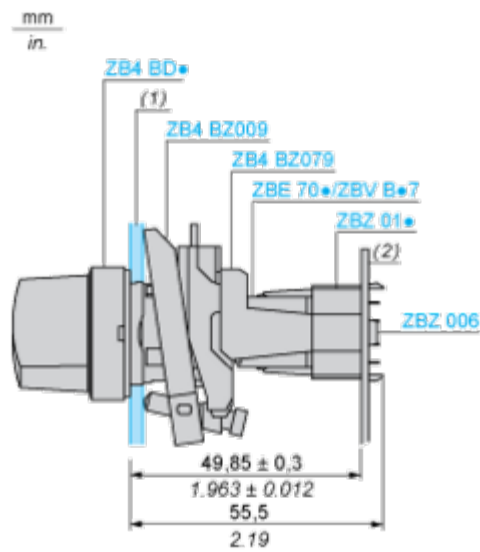
General Tolerances of the Panel and Printed Circuit Board

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 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

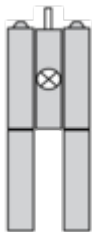
Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 0.05 / 0.11 in. ± 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 Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ 01•.

Technical Description

Electrical Composition Corresponding to Code M3



Electrical Composition Corresponding to Code M4



Electrical Composition Corresponding to Codes M6 and P2



Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



Legend

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

Position 0°



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

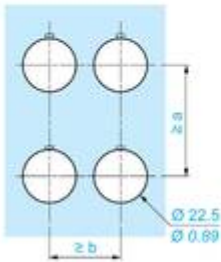
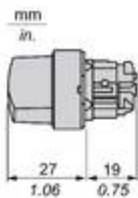
Position 45°



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

Technical Illustration

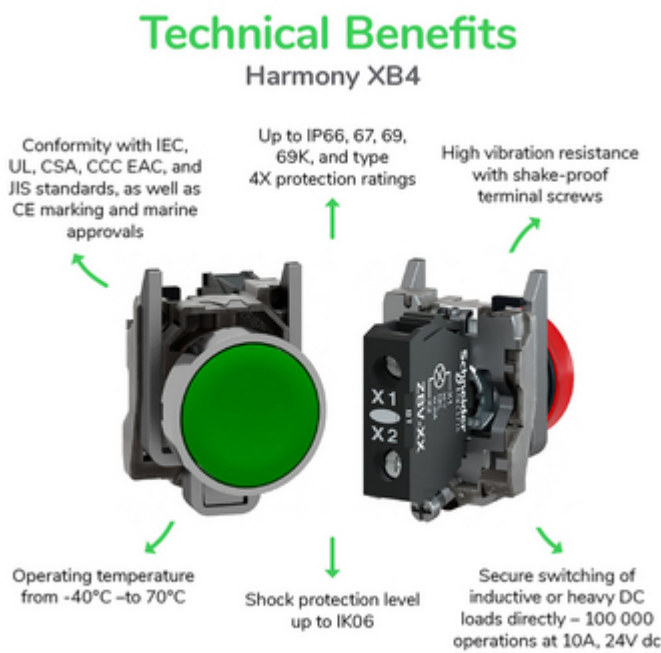
Dimensions



		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



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



Image of product / Alternate images

Alternative

