

Productinformatieblad

Specificaties



Druknop Ø22mm, met kapje Zwart

ZB4BP2S

EAN Code: 3389110999297

Prijs: 12,30 EUR

Hoofd

range of product	Harmony XB4
product or component type	Kop voor niet-verlichte drukknoop
device short name	ZB4
compatibiliteit product	bijschrift houder
kraag materiaal	Verchroomd metaal
bevestigingsdiameter	22,5 mm
verkoop per ondeelbare hoeveelheid	1
koptype	Standaard
vorm van kop signaleringseenheid	Rond
type operator	terugverend
operator profiel	Zwart verzonken, niet gemarkeerd
extra informatie operator	Gekleurde etikethouder
kap/operator of lenskleur	Zwart

Complementair

CAD totale breedte	30 mm
CAD totale hoogte	30 mm
CAD totale diepte	33 mm
mechanical durability	10000000 cycles
elektrische samenstellingscode	C1 voor <9 contacten met enkelvoudig blokken in vooraan gemonteerd C2 voor <9 contacten met enkelvoudig en dubbel blokken in vooraan gemonteerd C11 voor <3 contacten met enkelvoudig blokken in vooraan gemonteerd C15 voor <1 contacten met enkelvoudig blokken in vooraan gemonteerd
product presentatie	Basisonderdeel

Omgeving

beschermende behandeling	TH
ambient air temperature for storage	-40...70 °C
ambient air temperature for operation	-40...70 °C
overvoltage category	Klasse I conforming to IEC 60536
IP beschermingsgraad	IP66 conform aan IEC 60529 IP67 IP69 IP69K

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

NEMA beschermingsgraad	NEMA 13 NEMA 4X
IK-beschermingsgraad	IK06 conforming to IEC 50102
standards	IEC 60947-5-1 UL 508 IEC 60947-5-4 IEC 60947-1 JIS C8201-5-1 IEC 60947-5-5 CSA C22.2 Nr 14 JIS C8201-1
product certifications	BV CSA DNV LROS (Lloyds register of shipping) UL listed
trilling bestendigheid	5 gn (f= 2...500 Hz) conforming to IEC 60068-2-6
schokbestendigheid	30 gn (duur = 18 ms) voor halve sinusgolf versnelling conform aan IEC 60068-2-27 50 gn (duur = 11 ms) voor halve sinusgolf versnelling conform aan IEC 60068-2-27

Verpakkingseenheid

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	4,7 cm
Package 1 Width	3,5 cm
Package 1 Length	5,6 cm
Package 1 Weight	28 g
Unit Type of Package 2	BB1
Number of Units in Package 2	5
Package 2 Height	4,5 cm
Package 2 Width	26,5 cm
Package 2 Length	3,4 cm
Package 2 Weight	142 g
Unit Type of Package 3	S03
Number of Units in Package 3	200
Package 3 Height	30 cm
Package 3 Width	30 cm
Package 3 Length	40 cm
Package 3 Weight	6,255 kg

contractuele waarborg

Garantie	18 months
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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?](#) >

Milieuoetafdruk

Totale levenscyclus ecologische voetafdruk 1

Milieuprofiel van product (PEP) [Milieuprofiel van het product](#)

Use Better

Materialen en verpakking

Pakket met gerecycleerd karton Ja

Verpakkingen zonder kunststof Ja

[EU-richtlijn RoHS](#)

Voldoet pro-actief (Product valt niet onder de EU RoHS juridische scope)

REACH-regelgeving

[REACH-verklaring](#)

Use Again

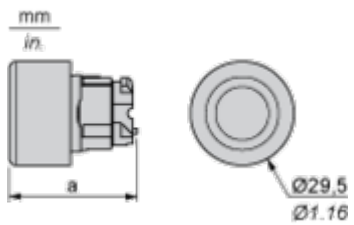
Herverpakken en herfabriceren

Circulair Profiel [Informatie over einde levensduur](#)

Terugname 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
	
<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) $\varnothing 22.5 \text{ mm} / 0.89 \text{ in. recommended } (\varnothing 22.3 \text{ mm }_0^{+0.4} / 0.88 \text{ in. }_0^{+0.016})$ (5) 45 mm min. / 1.78 in. min. (6) 32 mm min. / 1.26 in. min.</p>	

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

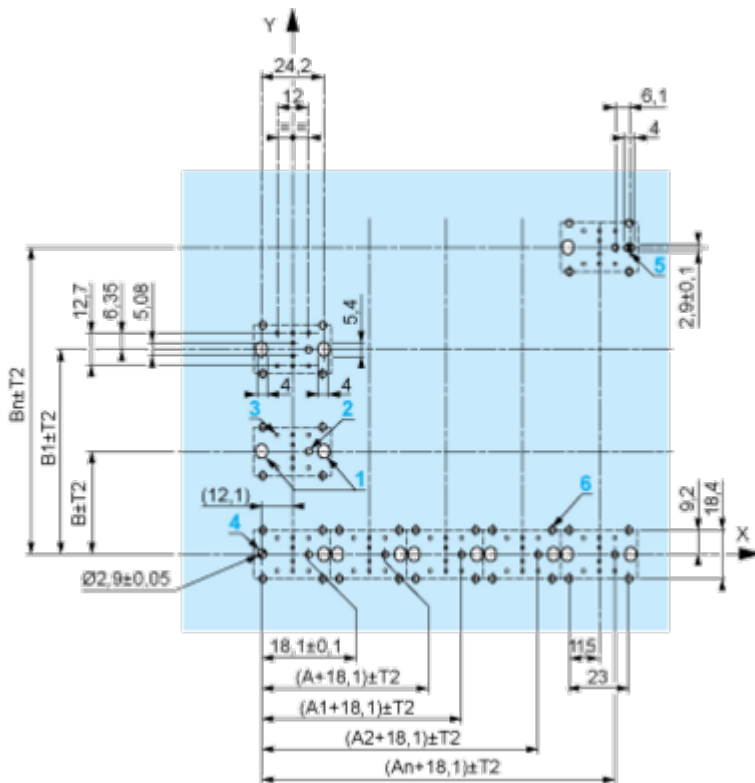


A: 30 mm min. / 1.18 in. min.

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.

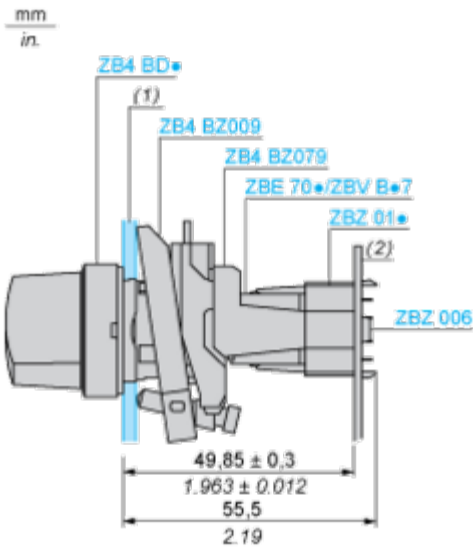
General Tolerances of the Panel and Printed Circuit Board

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 $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$ 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

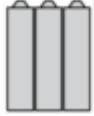
Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2



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

Single contact



Double contact



Light block

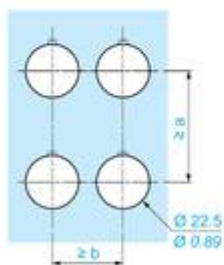
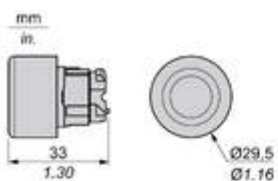


Possible location



Technical Illustration

Dimensions

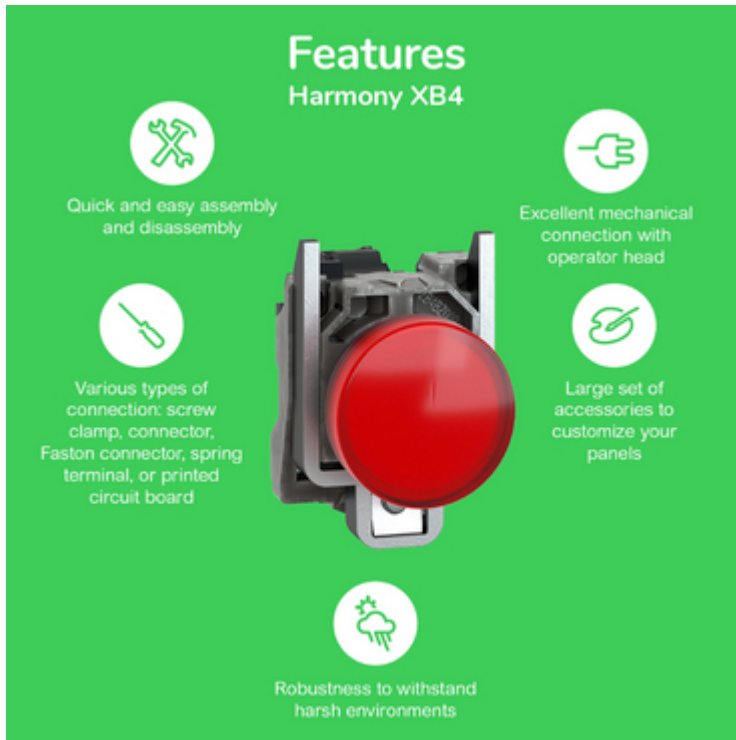






		a (mm)	a (in.)	b (mm)	b (in.)
	ZBE..... ZBV.....	40	1.57	30	1.18
	ZBE.....3 ZBV.....3	45	1.77	32	1.26
	ZBE.....4 ZBV.....4	40	1.57	30	1.18
	ZBE.....5 ZBV.....5	50	1.97	30	1.18
	ZBE.....9 ZBV.....9	40	1.57	30	1.18
	ZBRT• ZBRV1	40	1.57	30	1.18

Offer Marketing Illustration

Product benefits / Features

Features
Harmony XB4

-  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
-  Large set of accessories to customize your panels
-  Robustness to withstand harsh environments

Offer Marketing Illustration

Product benefits / Features

Technical Benefits

Harmony XB4

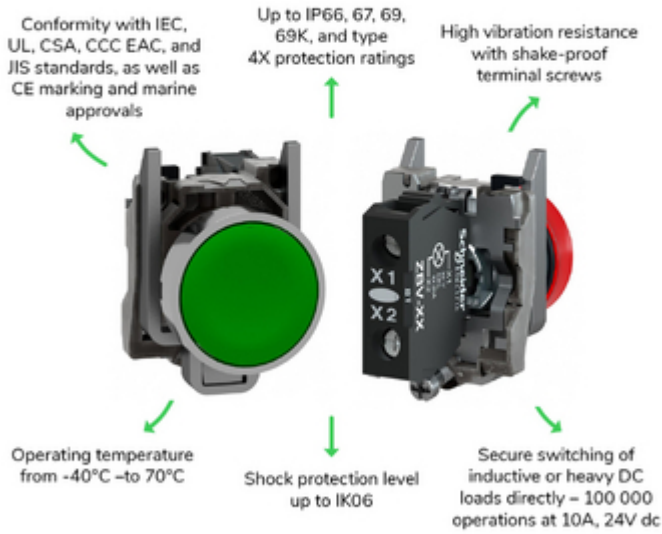


Image of product / Alternate images

Alternative



