

Product data sheet

Characteristics

ZB4BW13

Zelena glava osvetljene izbočene tipke Ø 22
povratna vzmet za sijalko BA9S



Glavno

Serijska izdelka	Harmony XB4
Izdelek ali sestavni del	Glava za svetlečo tipko
Kratko ime naprave	ZB4
Združljivost izdelkov	BA 9s
Material roba	Kromirana kovina
Tip glave	Standard
Montažni premer	22,5 mm
Prodaja na nedeljivo količino	1
Oblika glave signalne enote	Okroglo
Tip upravljanja	Povratna vzmet
Profil operaterja	Zelena Izbočena, Neoznačeno
Dodatne informacije za operaterja	Z navadno lečo
Pokrovček/upravljalnik ali barva leče	Zelena

Komplementarno

CAD celotna širina	29 mm
CAD celotna višina	29 mm
CAD celotna globina	32 mm
Teža izdelka	0,028 kg
Odpornost proti visokotlačnemu čistilniku	7000000 Pa pri 55 °C, razdalja : 0,1 m
Mehanska vzdržljivost	10000000 ciklov
Koda električne sestave	M7 za <6 kontakti uporabaEnojni bloki vPrednja montaža zBA 9s M8 za <6 kontakti uporabaEnojni in dvojni bloki vPrednja montaža zBA 9s M9 za <2 kontakti uporabaEnojni bloki vPrednja montaža zBA 9s in transformator
Predstavitev naprave	Osnovni podsklopi

Okolje

Zaščitna obdelava	TH
Temperatura okoliškega zraka za skladiščenje	-40...70 °C
Temperatura okoliškega zraka za delovanje	-40...55 °C
Prenapetostna kategorija	Razred I v skladu s/zIEC 60536
IP stopnja zaščite	IP66 v skladu s/zIEC 60529 IP69 IP69K
Stopnja zaščite NEMA	NEMA 13 NEMA 4X
IK stopnja zaščite	IK06 conforming to IEC 62262

Standardi	CSA C22.2 št. 14 JIS C8201-5-1 IEC 60947-5-1 IEC 60947-1 IEC 60947-5-5 UL 508 IEC 60947-5-4 JIS C8201-1
Certifikati izdelkov	DNV[RETURN]BV[RETURN]UL naveden[RETURN]CSA[RETURN]LRQS (Lloyds register pošiljke)[RETURN]GL
Odpornost proti vibracijam	5 gn (f = 2...500 Hz) v skladu s/zIEC 60068-2-6
Odporno proti udarcu	30 Gn (trajanje =18 ms) zaPospešek s sinusnim polvaljem v skladu s/zIEC 60068-2-27 50 gn (trajanje =11 ms) zaPospešek s sinusnim polvaljem v skladu s/zIEC 60068-2-27

Embalažna enota

Embalažna enota Paketa 1	PCE
Število enot v Paketu 1	1
Paket 1 Višina	4,7 cm
Paket 1 Širina	3,5 cm
Paket 1 Dolžina	5,3 cm
Paket 1 Teža	24,0 g
Embalažna enota Paketa 2	S01
Število enot v Paketu 2	50
Paket 2 Višina	15,0 cm
Paket 2 Širina	15,0 cm
Paket 2 Dolžina	40,0 cm
Paket 2 Teža	1,605 kg

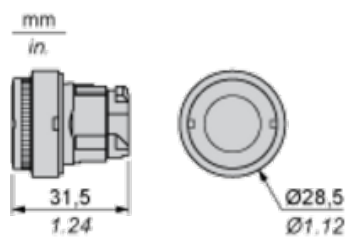
Trajnost ponudbe

Status trajnostne ponudbe	Izdelek Green Premium
Uredba REACH	 Izjava REACH
REACH, brez snovi SVHC	Da
Direktiva EU ROHS	Proaktivno zagotavljanje skladnosti (izdelek je zunaj področja uporabe direktive EU RoHS)  Izjava EU RoHS
Brez strupenih težkih kovin	Da
Brez živega srebra	Da
Uredba o RoHS za Kitajsko	 Izjava O RoHS Za Kitajsko
Informacije o izvzetju iz RoHS	 Da
Razkritje okoljskih podatkov	 Okoljski Profil Izdelka
Profil krožnega gospodarstva	 Informacije O Izteku Življenjske Dobe

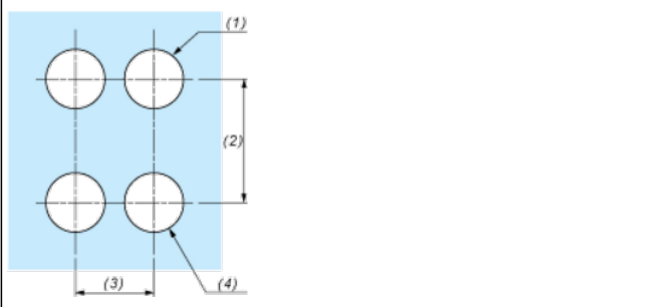
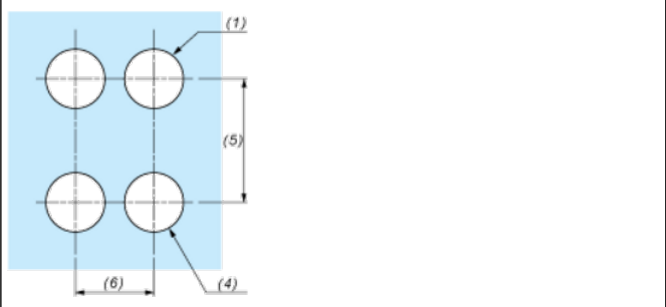
Pogodbena garancija

Garancija	18 months
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Dimensions

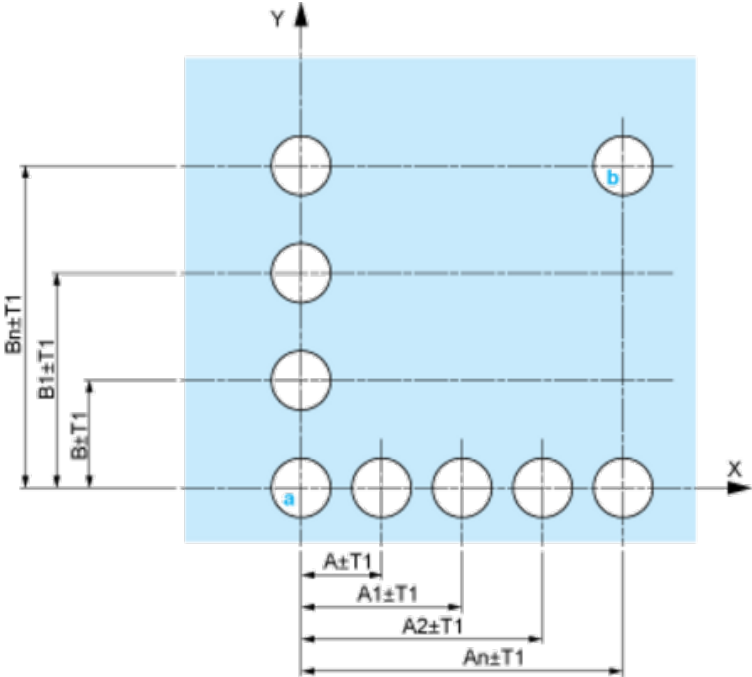


Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

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

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

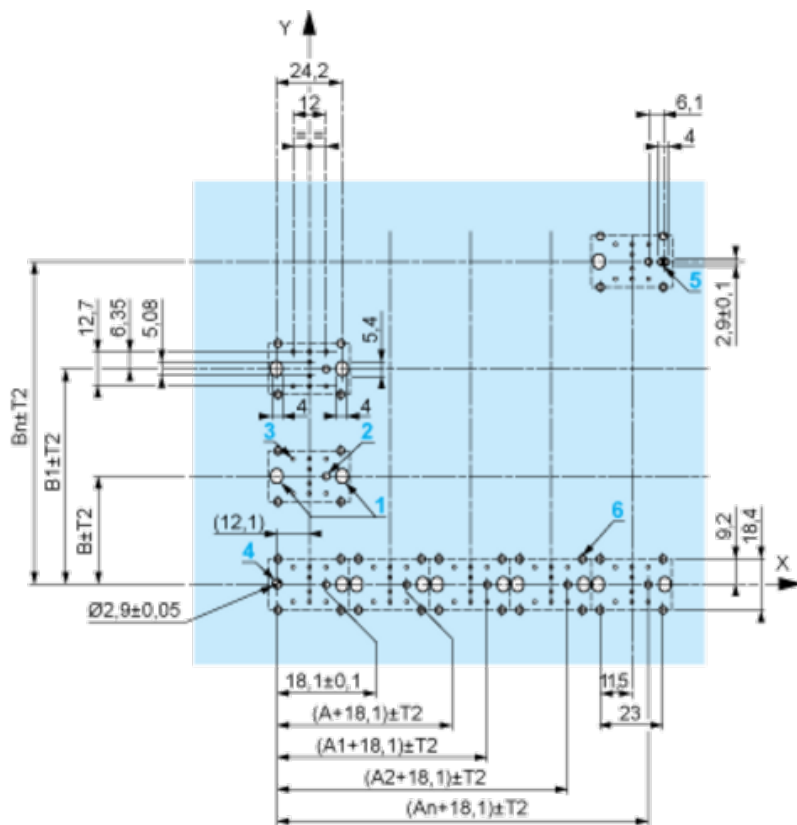
Panel Cut-outs (Viewed from Installer's Side)



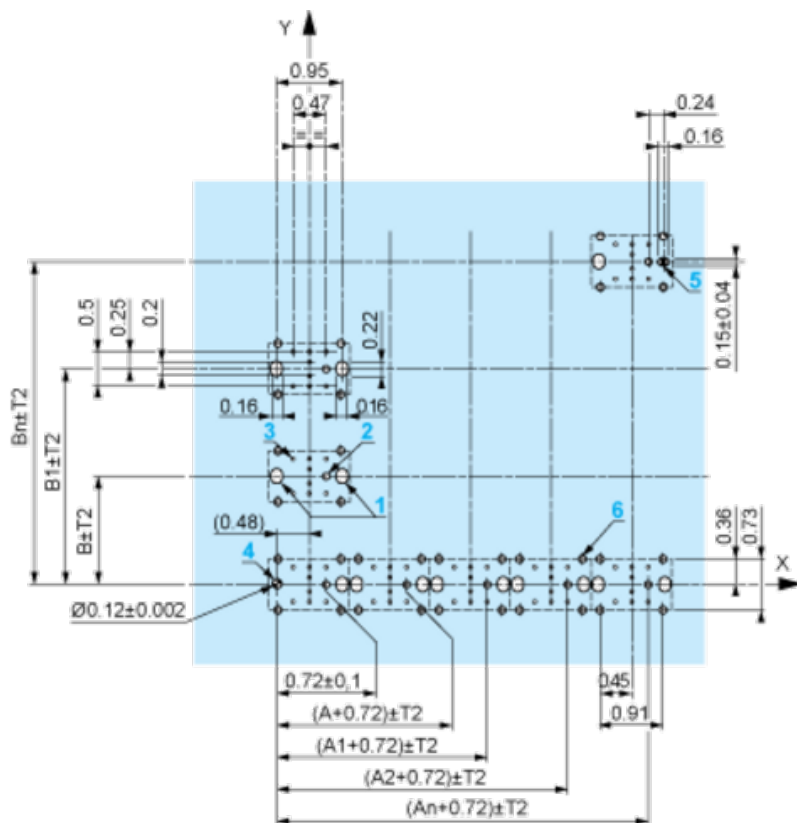
A: 30 mm min. / 1.18 in. min.
B: 40 mm min. / 1.57 in. min.

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.

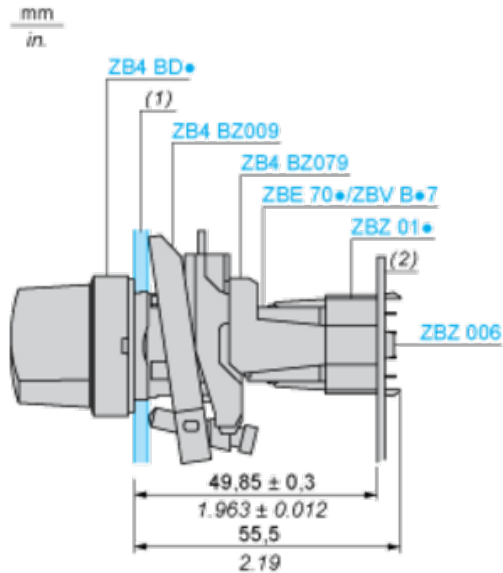
General Tolerances of the Panel and Printed Circuit Board

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

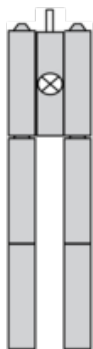
(2) Printed circuit board

Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole $\varnothing$ 2.4 mm $\pm$ 0.05 / 0.09 in. $\pm$ 0.002 for centring adapter ZBZ 01•
- 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 ZBZ 01•

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

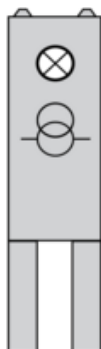
Electrical Composition Corresponding to Codes M1 and M7



Electrical Composition Corresponding to Codes M2 and M8



Electrical Composition Corresponding to Code M9



Legend

Single contact

Double contact

Light block

Possible location

