

Product data sheet

Characteristics

ZB5AG6C

Glava izbirnega stikala Ø 22 2 položaja
povratna vzmet, 5 multičipov



Glavno

Serijska izdelka	Harmony XB5
Izdelek ali sestavni del	Glava za izbirno stikalo s ključem
Kratko ime naprave	ZB5
Material roba	Temno siva plastika
Montažni premer	22,5 Mm
Tip glave	Standard
Prodaja na nedeljivo količino	1
Oblika glave signalne enote	Okroglo
Tip upravljanja	Od desne proti levi Povratna vzmet
Profil operaterja	Črna Stikalo na ključ
Pozicijske informacije za operaterja	2 položaja 90°
Tip ključavnice	Posebni ključ
Položaj za odstranitev ključa	Levo

Komplementarno

CAD celotna širina	29 Mm
CAD celotna višina	29 Mm
CAD celotna globina	72 Mm
Mehanska vzdržljivost	1000000 Ciklov
Koda električne sestave	C4 za <6 kontakti uporabaEnojni in dvojni bloki vPrednja montaža C5 za <5 kontakti uporabaEnojni bloki vPrednja montaža C6 za <5 kontakti uporabaEnojni in dvojni bloki vPrednja montaža C7 za <4 kontakti uporabaEnojni bloki vPrednja montaža C8 za <4 kontakti uporabaEnojni in dvojni bloki vPrednja montaža C11 za <3 kontakti uporabaEnojni bloki vPrednja montaža C3 za <6 kontakti uporabaEnojni bloki vPrednja montaža SF1 za <3 kontakti uporabaEnojni bloki vPrednja montaža SR1 za <3 kontakti uporabaEnojni bloki vZadnja montaža C15 za <1 kontakti uporabaEnojni bloki vPrednja montaža

Okolje

Zaščitna obdelava	TH
Temperatura okoliškega zraka za skladiščenje	-40...70 °C
Temperatura okoliškega zraka za delovanje	-25...70 °C
Prenapetostna kategorija	Razred II v skladu s/zIEC 60536
IP stopnja zaščite	IP65 v skladu s/zIEC 60529
Odpornost proti visokotlačnemu čistilniku	7000000 Pa pri55 °C, razdalja : 0,1 m
IK stopnja zaščite	IK06 v skladu s/zIEC 50102
Standardi	GB/T 14048.1 GB/T 14048.5 IEC 60947-5-1 IEC 60947-1
Certifikati izdelkov	CCC

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	5,4 Cm
Paket 1 Širina	8,8 Cm
Paket 1 Dolžina	3,4 Cm
Paket 1 Teža	51,0 G

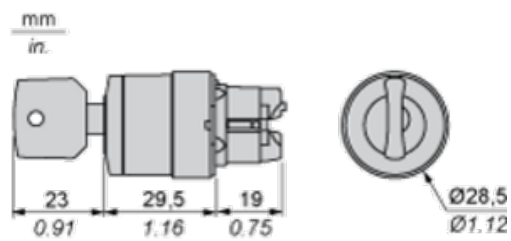
Trajnost ponudbe

Uredba REACH	 Izjava REACH
Direktiva EU ROHS	Proaktivno zagotavljanje skladnosti (izdelek je zunaj področja uporabe direktive EU RoHS)
Brez živega srebra	Da
Uredba o RoHS za Kitajsko	 Izjava O RoHS Za Kitajsko
Informacije o izvzetju iz RoHS	 Da

Pogodbena garancija

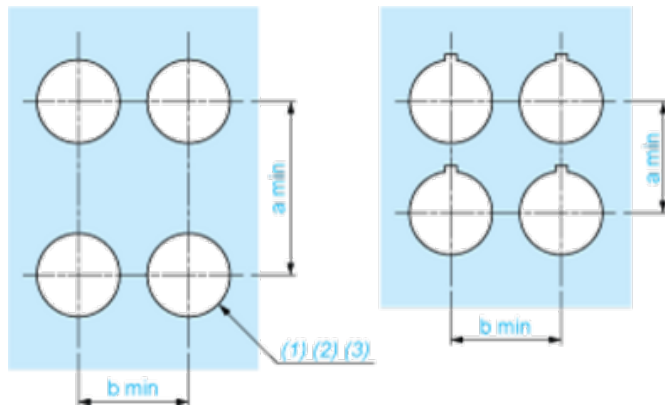
Garancija	18 mesecev
-----------	------------

Dimensions



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

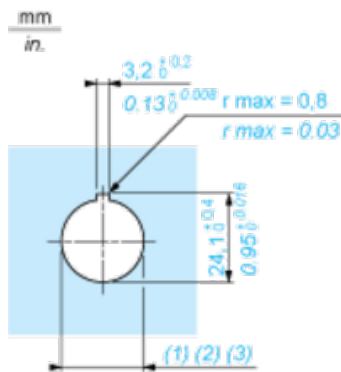
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- (1) Diameter on finished panel or support
(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
(3) $\varnothing 22.5$ mm recommended ($\varnothing 22.3 \text{ }_0^{+0.4}$) / $\varnothing 0.89$ in. recommended ($\varnothing 0.88 \text{ in. }_0^{+0.016}$)

Connections	a in mm	a in in.	b in mm	b in in.
By screw clamp terminals or plug-in connector	40	1.57	30	1.18
By Faston connectors	45	1.77	32	1.26
On printed circuit board	30	1.18	30	1.18

Detail of Lug Recess



- (1) Diameter on finished panel or support
(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
(3) $\varnothing 22.5$ mm recommended ($\varnothing 22.3 \text{ }_0^{+0.4}$) / $\varnothing 0.89$ in. recommended ($\varnothing 0.88 \text{ in. }_0^{+0.016}$)

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

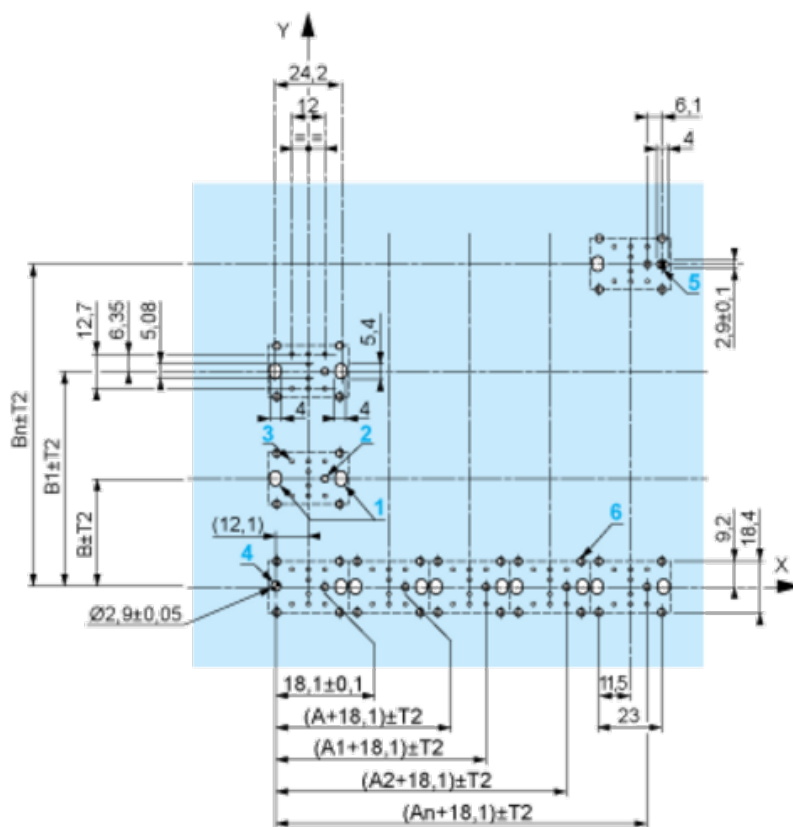


A: 30 mm min. / 1.18 in. min.

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

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

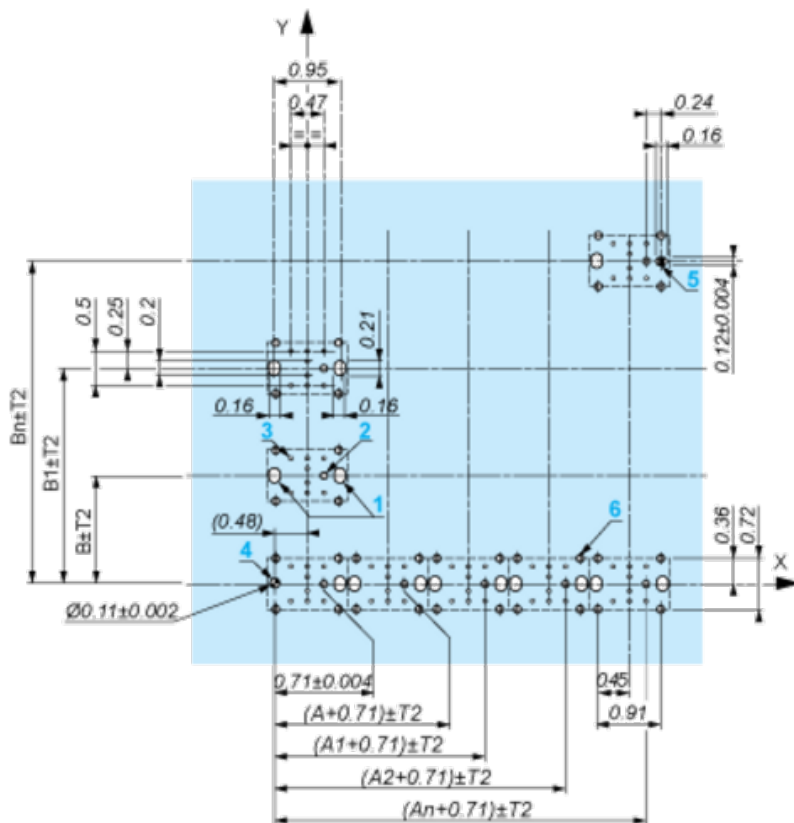
Dimensions in mm



A: 30 mm min.

B: 40 mm min.

Dimensions in in.



A: 1.18 in. min.

B: 1.57 in. min.

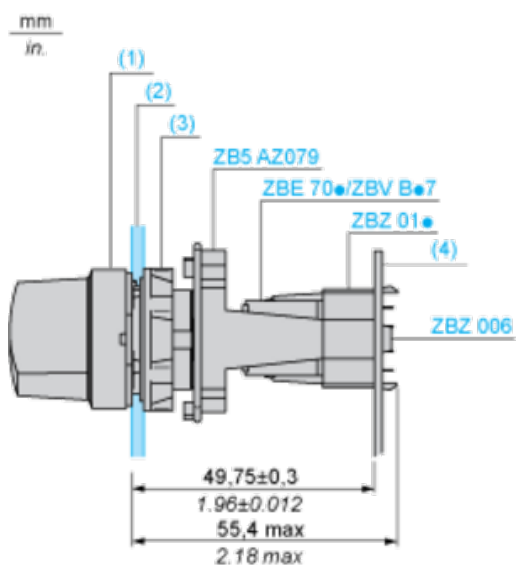
General Tolerances of the Panel and Printed Circuit Board

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 ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB5AZ009: $\pm 2^\circ 30'$ (excluding cut-outs marked a and b).
- Tightening torque of screws ZBZ006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB5AZ079 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 (ZB5AD•, ZB5AJ•, ZB5AG•).

The fixing centers marked a and b are diagonally opposed and must align with those marked 4 and 5.



(1) Head ZB5AD•

(2) Panel

(2) Nut

(4) Printed circuit board

Mounting of Adapter (Socket) ZBZ01•

- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole $\varnothing 2.4 \text{ mm} \pm 0.05 / 0.09 \text{ in.} \pm 0.002$ for centring adapter ZBZ01•
- 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 ZBZ01•

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 ZBZ01•.

Electrical Composition Corresponding to Code C4

Electrical Composition Corresponding to Code C5



Electrical Composition Corresponding to Code C6

Electrical Composition Corresponding to Code C7

Electrical Composition Corresponding to Code C8

Electrical Composition Corresponding to Code C3



Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

Legend

Single contact

Double contact

Light block

Possible location



Sequence of Contacts Fitted to 2-position Selector Switch Body

Position 315°



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

Position 45°



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