TELEM d.o.o. INŽENIRING AVTOMATIZACIJA ZASTOPSTVA

Product data sheet
Characteristics

ZB5AW153
Oran. glava osvetljene izbočene tipke Ø 22 povratna vzmet za vgrajeno LED

Glavno

Serija izdelka	Harmony XB5
Izdelek ali sestavni del	Glava za svetlečo tipko
Kratko ime naprave	ZB5
Združljivost izdelkov	Univerzalni LED
Material roba	Temno siva plastika
Montažni premer	22 mm
Prodaja na nedeljivo količino	1
Tip glave	Standard
Oblika glave signalne enote	Okroglo
Tip upravljanja	Povratna vzmet
Profil operaterja	Oranžna Izbočena, Neoznačeno
Dodatne informacije za operaterja	Z navadno lečo

Komplementarno

CAD celotna širina	29 mm
CAD celotna višina	29 mm
CAD celotna globina	33 mm
Teža izdelka	0,018 kg
Odpornost proti visokotlačnemu čistilniku	7000000 Pa pri55 °C, razdalja : 0,1 m
Mehanska vzdržljivost	10000000 ciklov
Glavna skupina	Osvetljena tipka
Skupina izdelkov	Integrirana LED izbočena tipka
Ime postaje	XALD 1 do 5 izrezov XALK 2 do 5 cut-outs
Pokrovček/upravljalnik ali barva leče	Oranžna
Označevanje	Neoznačeno
Koda električne sestave	M1 za <6 kontakti uporabaEnojni bloki vPrednja montaža zIntegrirana LED M2 za <6 kontakti uporabaEnojni in dvojni bloki vPrednja montaža zIntegrirana LED M6 za <2 kontakti uporabaEnojni bloki vPrednja montaža zIntegral LED in transformator M10 za <2 kontakti uporabaEnojni bloki vPrednja montaža zIntegrirana LED MF1 za <2 kontakti uporabaEnojni bloki vPrednja montaža zIntegrirana LED MR1 za <2 kontakti uporabaEnojni bloki vZadnja montaža zIntegrirana LED
Predstavitev naprave	Osnovni podsklopi

Okolje

Zaščitna obdelava	TC
Temperatura okoliškega zraka za skladiščenje	−40…70 °C
Temperatura okoliškega zraka za delovanje	−40…70 °C
Prenapetostna kategorija	Razred II v skladu s/zIEC 60536
IP stopnja zaščite	IP66 v skladu s/zIEC 60529 IP69 IP69K

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This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications.
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Stopnja zaščite NEMA	NEMA 13 NEMA 4X
IK stopnja zaščite	IK05 conforming to EN 50102
Standardi	UL 508 CSA C22.2 št. 14 EN/IEC 60947-5-4 EN/IEC 60947-5-1 JIS C8201-5-1 EN/IEC 60947-1 GB 14048,5 JIS C8201-1
Certifikati izdelkov	UL naveden[RETURN]BV[RETURN]GL[RETURN]LROS (Lloyds register pošiljke) [RETURN]CSA[RETURN]DNV
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	3,2 cm
Paket 1 Širina	3,6 cm
Paket 1 Dolžina	4,4 cm
Paket 1 Teža	17,0 g
Embalažna enota Paketa 2	S02
Število enot v Paketu 2	100
Paket 2 Višina	15 cm
Paket 2 Širina	30 cm
Paket 2 Dolžina	40 cm
Paket 2 Teža	2,103 kg

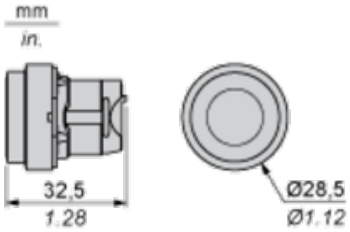
Trajnost ponudbe

Status trajnostne ponudbe	Izdelek Green Premium
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
Razkritje okoljskih podatkov	Okoljski Profil Izdelka
Profil krožnega gospodarstva	Informacije O Izteku Življenjske Dobe

Pogodbena garancija

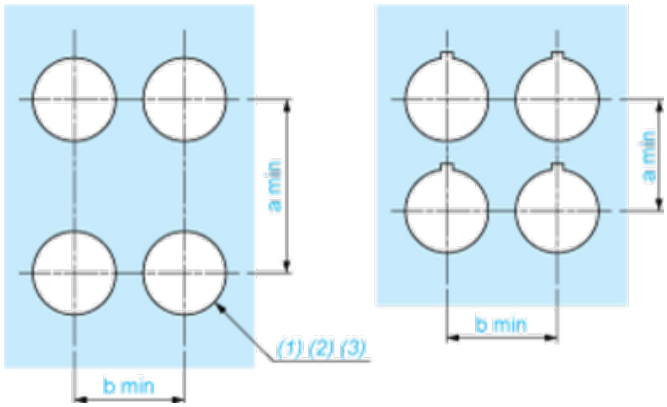
Garancija	18 mesecev

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



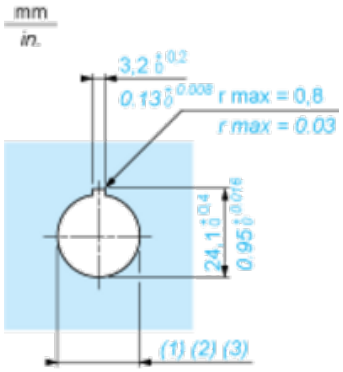
(1) Diameter on finished panel or support

(2) For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.

(3) Ø22.5 mm recommended (Ø22.3 $_{0}^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 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



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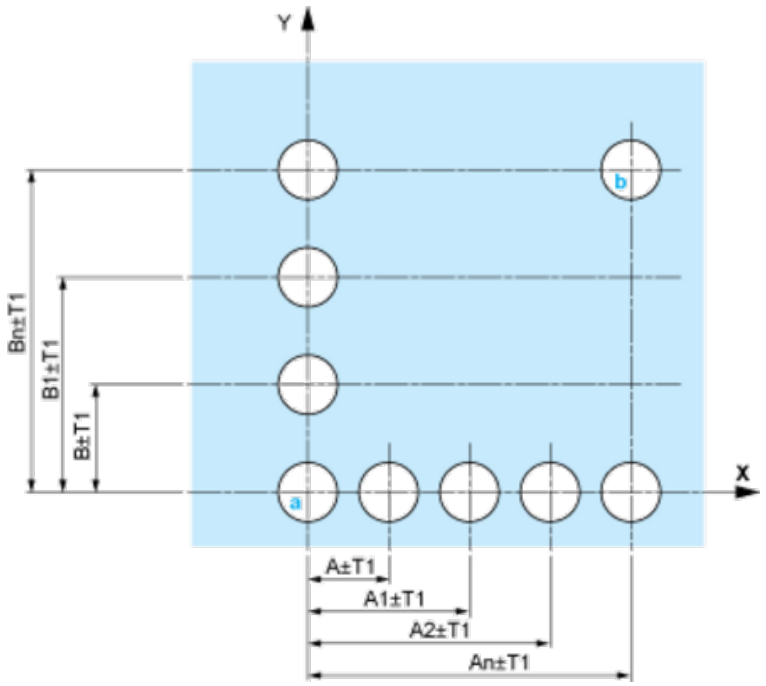
Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

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

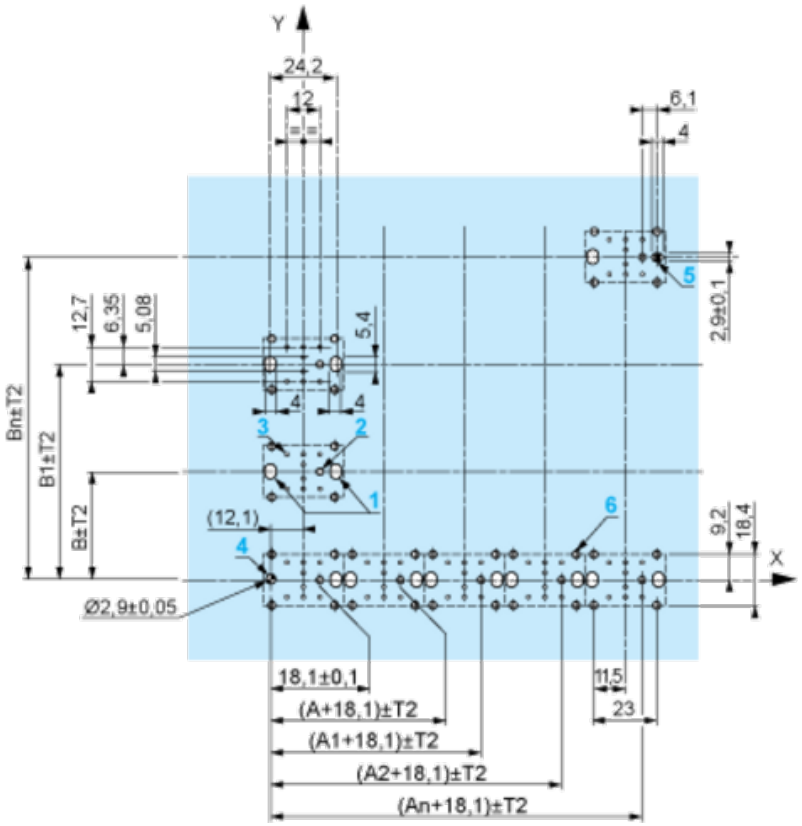


A: 30 mm min. / 1.18 in. min.

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

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

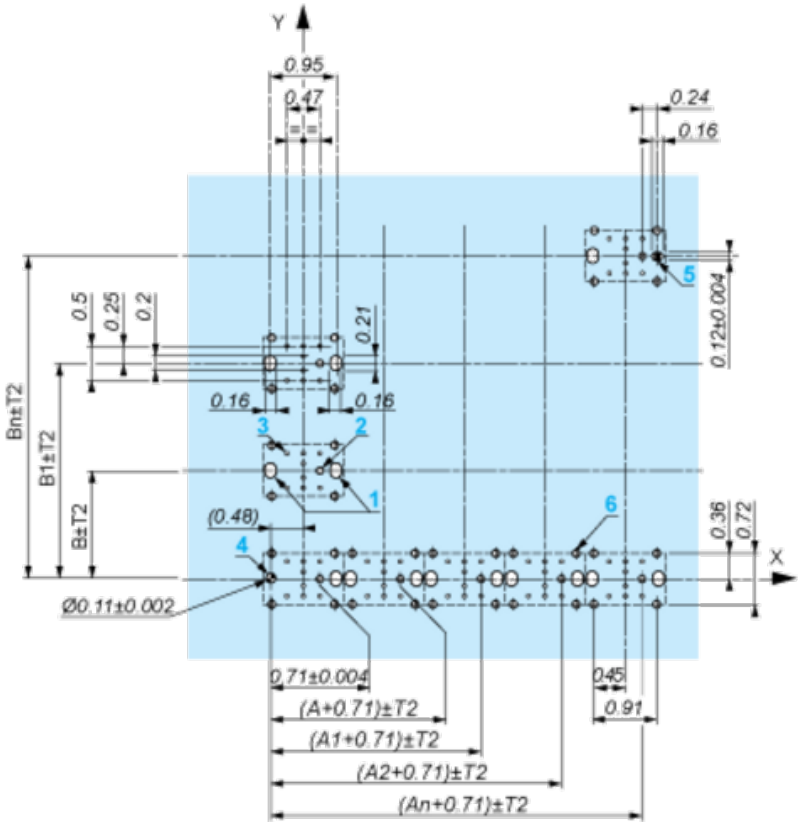
Dimensions in mm



A: 30 mm min.

B: 40 mm min.

Dimensions in in.



A: 1.18 in. min.

B: 1.57 in. min.

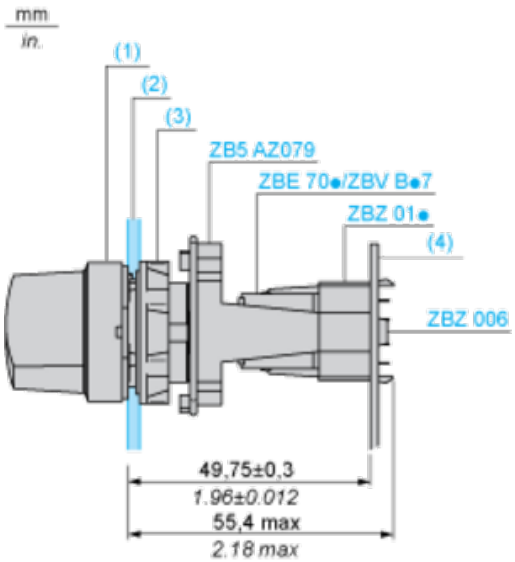
General Tolerances of the Panel and Printed Circuit Board

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 ZB5AZ009: ± 2°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 Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ01•
- 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 ZBZ01•

Dimensions An + 18.1 relate to the Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 holes for centring adapter ZBZ01•.