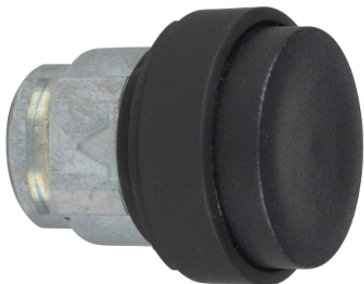


ZB4BL27

černá ovl. hlavice stiskací s přesah. Ø22 s návratem
neoznačená



Hlavní parametry

Řada výrobků	Harmony XB4
Typ produktu nebo součásti	Hlava pro neprosvětlené tlačítko
Označení přístroje	ZB4
Materiál obruhy	Kovová černá
Průměr pro montáž	22 mm
Prodej v nedělitelném množství	1
Typ hlavy	Standard
Tvar hlavice	Kruh
Typ ovládací hlavice	S návratem
Provedení ovládače	Černá s přesahem bez symbolu

Doplňěk

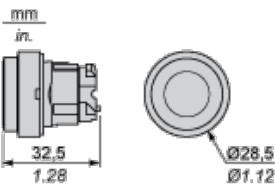
CAD celková šířka	29 mm
CAD celková výška	29 mm
CAD celková hloubka	33 mm
Mechanická životnost	100000000 cykly
Označení el. složení	C15 pro 1 kontakty použitím jednoduchý bloky v čelní montáž C15 pro 1 kontakty použitím jednoduchý bloky v čelní montáž C11 pro 3 kontakty použitím jednoduchý bloky v čelní montáž C1 for 9 contacts using single blocks in front mounting C2 for 9 contacts using single and double blocks in front mounting

Životní prostředí

stupeň ochrany	TH
teplota okolí pro uskladnění	-40...70 °C
teplota okolního vzduchu pro provoz	-40...70 °C
kategorie přepětí	Třída I podle IEC 60536
stupeň krytí IP	IP67 IP66 podle IEC 60529 IP69K IP69
stupeň krytí NEMA	NEMA 13 NEMA 4X
stupeň ochrany IK	IK06 podle IEC 50102
standarty	EN/IEC 60947-1 EN/IEC 60947-5-1 EN/IEC 60947-5-4 EN/IEC 60947-5-5 JIS C 4520 UL 508 CSA C22.2 č. 14
certifikace výrobku	BV CSA DNV GL LROS (Lloyds register of shipping) RINA UL listed
odolnost proti vibracím	5 gn (f = 2...500 Hz) podle IEC 60068-2-6
odolnost proti otřesům	30 gn (doba trvání = 18 ms) pro akcelerace polovina sin. vlny podle IEC 60068-2-27 50 gn (doba trvání = 11 ms) pro akcelerace polovina sin. vlny podle IEC 60068-2-27

Informace uvedené v této dokumentaci obsahují obecné popisy a technické parametry výrobků. Tato dokumentace nenahrazuje vyhodnocení vhodnosti nebo spolehlivosti výrobku v uživatelské aplikaci a nesmí tak být využívána. Uživatel nebo systémový integrátor nese odpovědnost za provedení odpovídajících a úplných analýz rizik, hodnocení a testování produktů s ohledem na konkrétní aplikaci nebo použití. Schneider Electric Industries SAS ani její dceřinné firmy či pobočky nenesou odpovědnost za nesprávné použití zde obsažených informací.

Dimensions

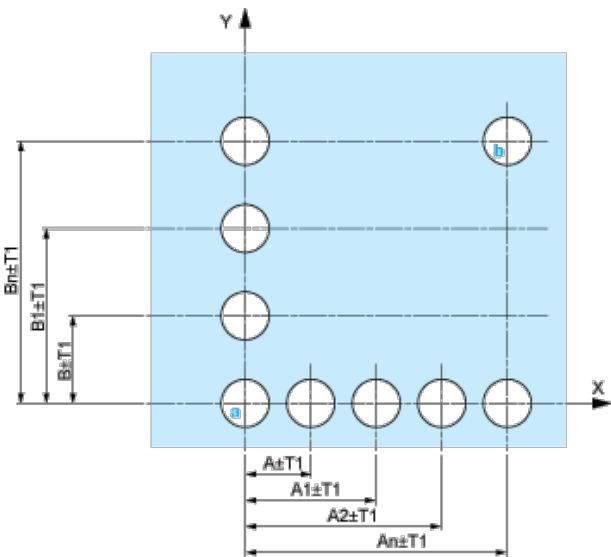


Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

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) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm ^{+0.4} / 0.88 in. ^{+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.

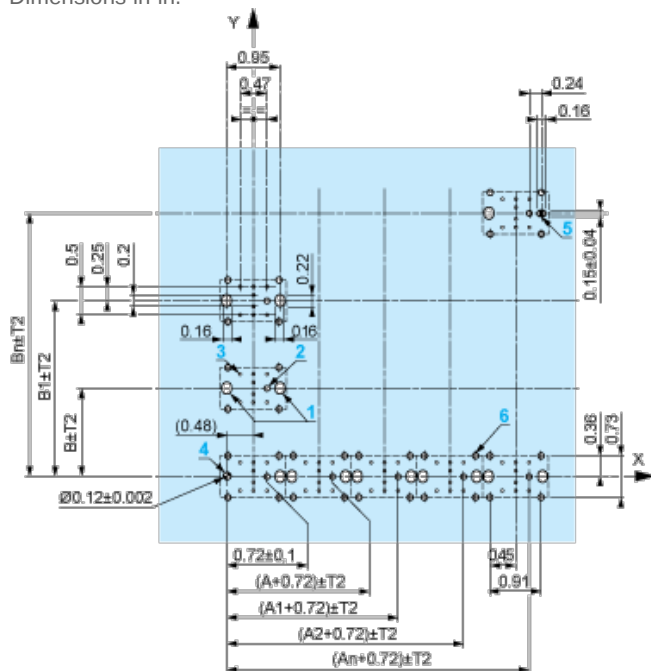
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Technical drawing of a rectangular plate with a grid of holes. The plate has a width B and a height B . The grid is defined by dimensions A and B . The holes are arranged in a grid with a pitch of 18.1 ± 0.1 . The drawing includes various dimension lines and labels for the holes and the plate dimensions.

Key dimensions and labels:

- Plate width: B
- Plate height: B
- Grid pitch: 18.1 ± 0.1
- Hole diameter: $\varnothing 2.9 \pm 0.05$
- Grid dimensions: $(A \pm 18.1) \pm T2$, $(A1 \pm 18.1) \pm T2$, $(A2 \pm 18.1) \pm T2$, $(An \pm 18.1) \pm T2$
- Grid dimensions: $(B \pm T2)$, $(B1 \pm T2)$
- Grid dimensions: $(12, 1)$
- Grid dimensions: $(24, 2)$
- Grid dimensions: $(6, 1)$
- Grid dimensions: $(4, 1)$
- Grid dimensions: $(5, 1)$
- Grid dimensions: $(9, 2)$
- Grid dimensions: $(18, 4)$
- Grid dimensions: $(15, 23)$
- Grid dimensions: $(12, 7)$
- Grid dimensions: $(6, 35)$
- Grid dimensions: $(5, 08)$
- Grid dimensions: $(4, 1)$
- Grid dimensions: $(5, 4)$
- Grid dimensions: $(2, 1)$
- Grid dimensions: $(3, 1)$
- Grid dimensions: $(4, 1)$
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- Grid dimensions: $(98, 1)$
- Grid dimensions: $(99, 1)$
- Grid dimensions: $(100, 1)$

Dimensions in in.



B: 1.57 in. min.

The cumulative tolerance must not exceed 0.3 mm / 0.012 in: $T1 + T2 = 0.3 \text{ mm max.}$

- ┆ 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•).

Schneider
Electric



- (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•.

Electrical Composition Corresponding to Code C1



Electrical Composition Corresponding to Code C2

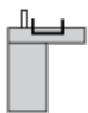


Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

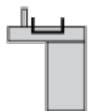


Electrical Composition Corresponding to Code C15

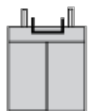
1 N/O



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

