



Principales

Gamme de produits	Harmony XB4
Fonction produit	Tête de bouton-poussoir non lumineux
Nom abrégé de l'appareil	ZB4
Matériau de la collerette	Métal plaqué chrome
Diamètre de fixation	22 mm
Vente par quantité indivisible	1
Forme de la tête de l'unité de signalisation	Rond
Type d'unité de commande	Rappel à ressort
Profil de l'unité de commande	Noir noyé, blanc STOP

Complémentaires

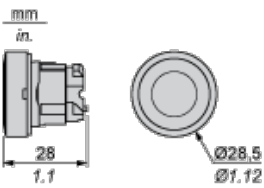
Largeur hors tout CAO	29 mm
Hauteur hors tout CAO	29 mm
Profondeur hors tout CAO	28 mm
Durée de vie mécanique	10000000 cycle
Electrical composition code	C1 pour <= 9 contacts using unique blocs en montage avant C2 pour <= 9 contacts using simple et double blocs en montage avant C11 pour <= 3 contacts using unique blocs en montage avant C15 pour 1 contacts using unique blocs en montage avant

Environnement

traitement de protection	TH
température ambiante pour le stockage	-40...70 °C
température de fonctionnement	-40...70 °C
catégorie de surtension	Classe I conformément à IEC 60536
degré de protection IP	IP67 IP66 conformément à IEC 60529 IP69K IP69
tenue à l'environnement NEMA	NEMA 13 NEMA 4X
Tenue aux chocs IK	IK06 conformément à IEC 50102
normes	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 No 14
certifications du produit	BV CSA DNV GL LROS (Lloyds register of shipping) RINA Listé UL
tenue aux vibrations	5 gn (f = 2...500 Hz) conformément à IEC 60068-2-6
tenue aux chocs mécaniques	30 gn (durée = 18 ms) pour accélération sur 1/2 sinusoïde conformément à IEC 60068-2-27 50 gn (durée = 11 ms) pour accélération sur 1/2 sinusoïde conformément à IEC 60068-2-27

Période	18 mois
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Dimensions

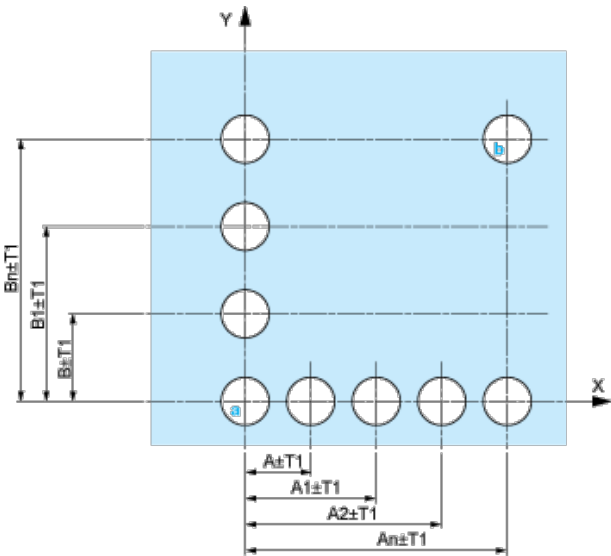


Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board	Connection by Faston Connectors
Diagram showing a 2x2 grid of circular holes on a light blue rectangular panel. Dimensions are labeled: (1) for hole diameter, (2) for vertical spacing between rows, (3) for horizontal spacing between columns, and (4) for hole diameter.	Diagram showing a 2x2 grid of circular holes on a light blue rectangular panel. Dimensions are labeled: (1) for hole diameter, (5) for vertical spacing between rows, (6) for horizontal spacing between columns, and (4) for hole diameter.
(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 $^{+0.4}_{0}$ / 0.88 in. $^{+0.016}_{0}$) (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)

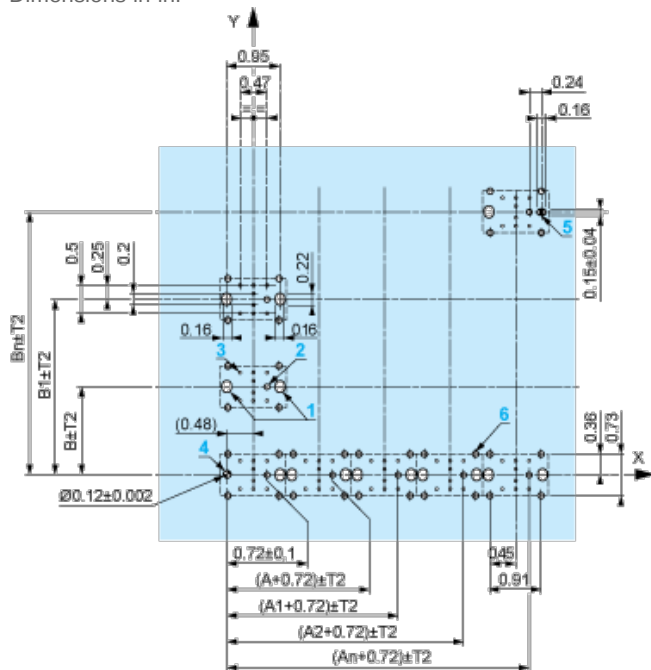


- A: 30 mm min. / 1.18 in. min.
- B: 40 mm min. / 1.57 in. min.

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

[illegible]

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

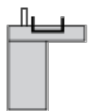


Electrical Composition Corresponding to Codes C9, C11, SF1 and SR1

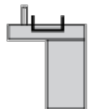


Electrical Composition Corresponding to Code C15

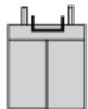
1 N/O



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

