



### Hovedkarakteristikk

Produktspekter	Harmony XB4
Produkt eller komponent type	Hode for signallamper
Produktkompatibilitet	BA 9s
Kallenavn på utstyr	ZB4
Innfatningsmateriale	Forkrommet metall
Montasjediameter	22 mm
Salg per udelelig kvantitet	1
Formen på varslingsenhetens hode	Rund
Kalott eller deksselfarge	Klar
Knappens tilleggs info.	Med vanlig deksel

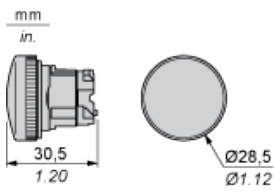
### Alternativer

Bredde	29 mm
Høyde	29 mm
Dybde	31 mm
Vekt	0.027 kg
Resistens til høytrykksvask	7000000 Pa på 55 °C,avstand: 0.1 m
Elektrisk sammensetningskode	P3 i frontmontering med BA 9s P4 i frontmontering med BA 9s og transformator

### Miljø

protective treatment	TH
omgivelsestemperatur for oppbevaring	-40...70 °C
ambefalt temperatur ved drift	-25...70 °C
beskyttelsesgrad mot elektrisk støt	Klasse I i henhold til IEC 60536
IP-grad	IP66 i henhold til IEC 60529
NEMA beskyttelsesgrad	NEMA 13 NEMA 4X
IK beskyttelsesklasse	IK05 i samsvar med IEC 50102
standarder	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
Vibrasjonsmotstand	5 gn (f = 2...500 Hz) i henhold til IEC 60068-2-6
støtmotstand	30 gn (varighet = 18 ms) for halvsinusurve akselerasjon i henhold til IEC 60068-2-27 50 gn (varighet = 11 ms) for halvsinusurve akselerasjon i henhold til IEC 60068-2-27

### Dimensions

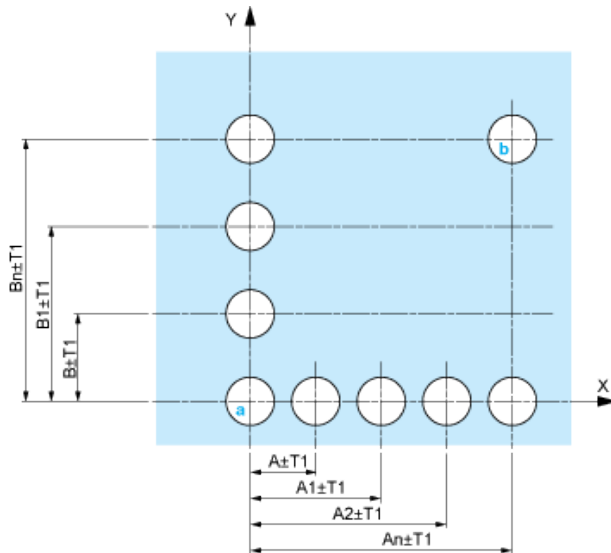


## Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board	Connection by Faston Connectors
<p>(1) Diameter on finished panel or support</p> <p>(2) 40 mm min. / 1.57 in. min.</p> <p>(3) 30 mm min. / 1.18 in. min.</p> <p>(4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm <math>_{0}^{+0.4}</math> / 0.88 in. <math>_{0}^{+0.016}</math>)</p> <p>(5) 45 mm min. / 1.78 in. min.</p> <p>(6) 32 mm min. / 1.26 in. min.</p>	

## Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

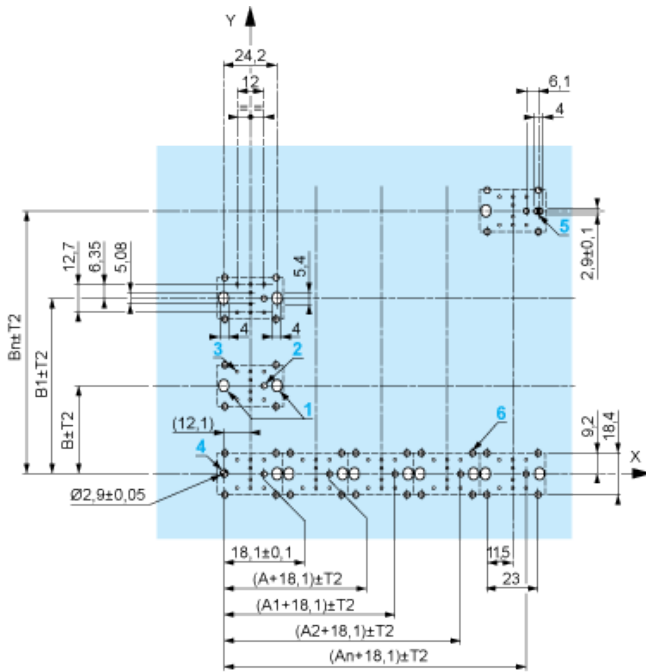
### Panel Cut-outs (Viewed from Installer's Side)



- 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)

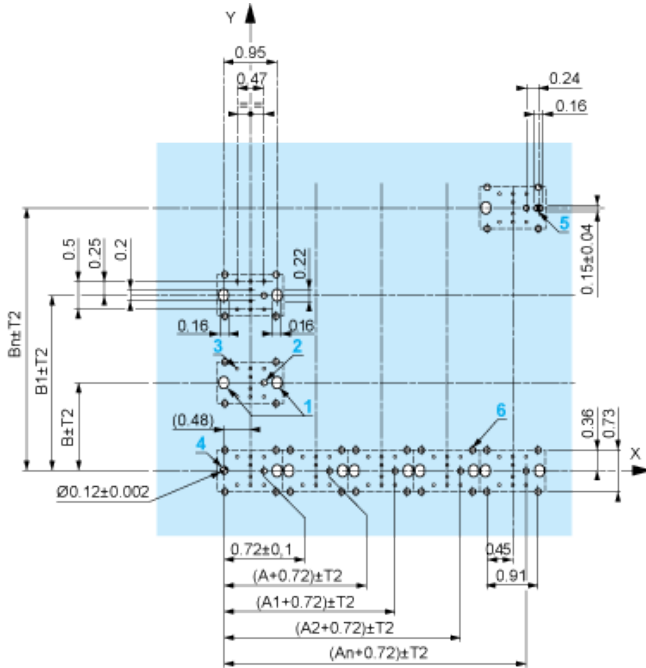
Dimensions in mm



A: 30 mm min.

B: 40 mm min.

Dimensions in in.



A: 1.18 in. min.

B: 1.57 in. min.

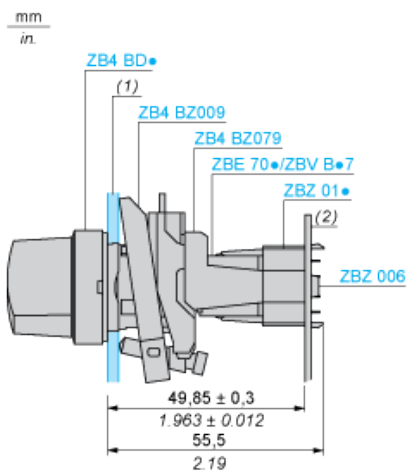
### General Tolerances of the Panel and Printed Circuit Board

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 P1, P3, PF1, PR1 and PF2

Light block



#### Electrical Composition Corresponding to Code P4



#### Legend

Single contact



Double contact



Light block



Possible location

