



Hovedkarakteristikk

Produktspekter	Harmony XB5
Produkt eller komponent type	Hode for lysvendere
Produktkompatibilitet	Innebygget LED
Kortnavn utstyr	ZB5
Innfatningsmateriale	Plast
Montasjediometer	22 mm
Hode type	Standard
Salg per udelelig kvantitet	1
Formen på varslingsenhetens hode	Rund
Type arm/stempel	Fjærretur høyre til venstre
Operatørprofil	Blå standard grep
Informasjon om knappens stilling	2 posisjoner 90°

Alternativer

Bredde	29 mm
Høyde	29 mm
Dybde	43 mm
Vekt	0.017 kg
Mekanisk levetid	1000000 sykluser
Stasjonsnavn	XALD 1...5 hull XALK 2...5 hull
Elektrisk sammensetningskode	M10 for <= 2 kontakter bruker Enkel blokker i frontmontering med innebygget LED M6 for <= 2 kontakter bruker Enkel blokker i frontmontering med integrert LED og transformator MF1 for <= 2 kontakter bruker Enkel blokker i frontmontering med innebygget LED MR1 for <= 2 kontakter bruker Enkel blokker i bakmontering med innebygget LED M3 for <= 4 kontakter bruker Enkel blokker i frontmontering med innebygget LED M4 for <= 4 kontakter bruker enkel og dobbel blokker i frontmontering med innebygget LED

Miljø

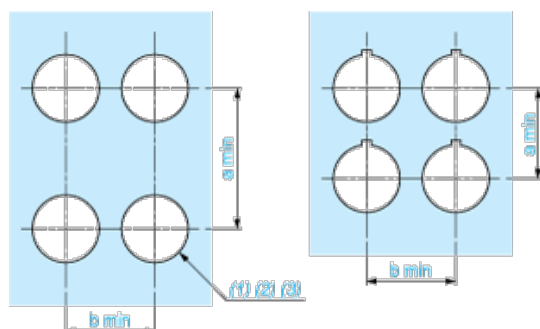
overflatebeskyttelse	TH
omgivelsestemperatur for lagring	-40...70 °C
omgivelsestemperatur drift	-40...70 °C
overspenningskategori	Class II conforming to IEC 60536
IP-grad	IP67 IP66 i henhold til IEC 60529 IP69K IP69
NEMA beskyttelsesgrad	NEMA 13 NEMA 4X
resistens til høytrykkvask	7000000 Pa på 55 °C, avstand: 0.1 m
IK beskyttelsesklasse	IK06 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
produktsertifikater	BV CSA DNV

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Vibrasjonsmotstand	5 gn (f = 2...500 Hz) i henhold til IEC 60068-2-6
støtmotstand	30 gn (varighet = 18 ms) for halvsinuskurve akselerasjon i henhold til IEC 60068-2-27 50 gn (varighet = 11 ms) for halvsinuskurve akselerasjon i henhold til IEC 60068-2-27

[illegible]

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



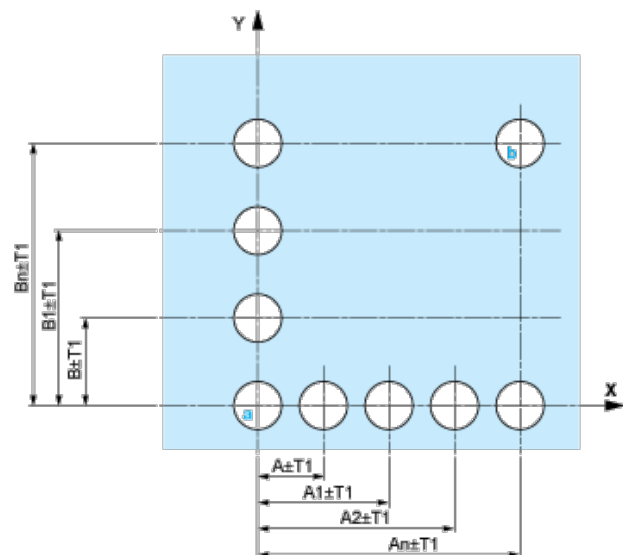
- | Connections | a in mm | a in in. | b in mm | b in in. |
|---|---------|----------|---------|----------|
| By screw clamp terminals or plug-in connector | 40 | 1.57 | 30 | 1.18 |
| By Faston connectors | 45 | 1.77 | 32 | 1.26 |
| On printed circuit board | 30 | 1.18 | 30 | 1.18 |

Technical drawing of a hole in a plate. The plate has a thickness of 3.2 mm. The hole has a diameter of 24.1 mm. The dimensions and tolerances are as follows:

- Top surface to hole center: 32.1^{+0.2} mm
- Hole center to bottom surface: 24.1^{+0.4} mm
- Hole diameter: 24.1^{+0.4} mm
- Maximum hole radius: $r_{max} = 0.6$ mm
- Maximum hole radius: $r_{max} = 0.03$ mm

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

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

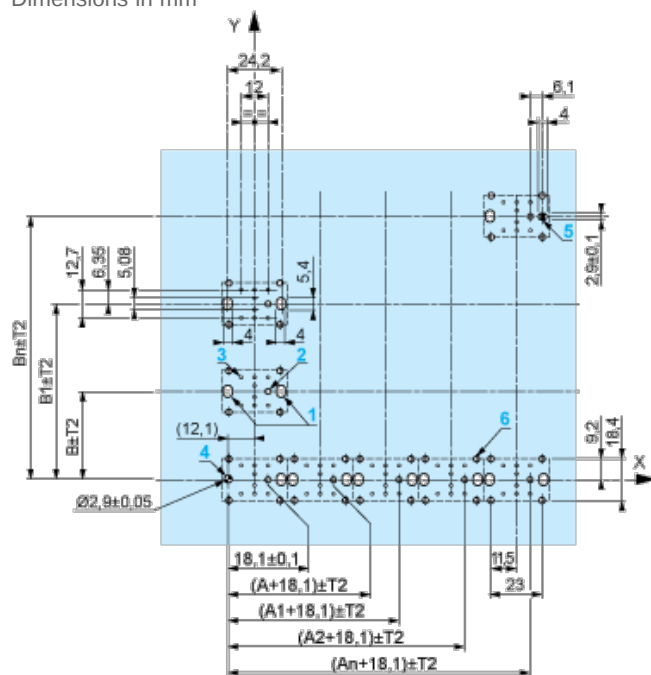


A: 30 mm min. / 1.18 in. min.

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

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

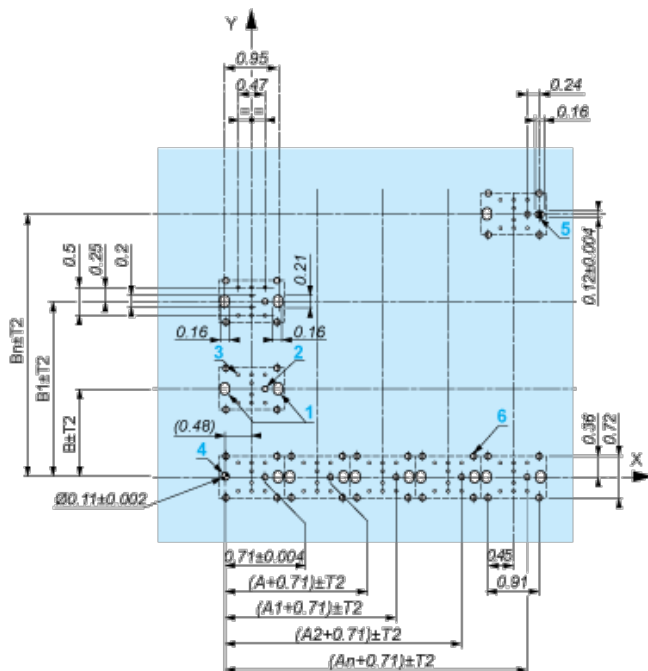
Dimensions in mm



A: 30 mm min.

B: 40 mm min.

Dimensions in in.



A: 1.18 in. min.

B: 1.57 in. min.

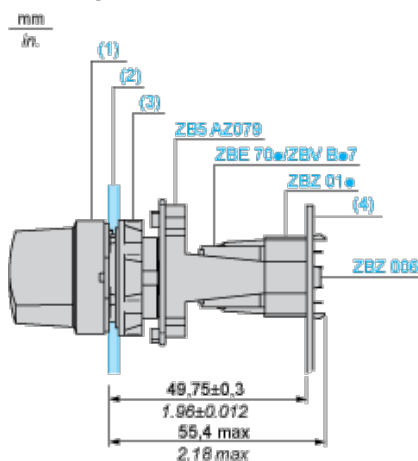
General Tolerances of the Panel and Printed Circuit Board

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•

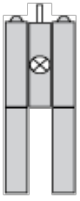
- | 1 2 elongated holes for ZBZ006 screw access
- | 2 1 hole $\varnothing 2.4 \text{ mm} \pm 0.05$ / 0.09 in. ± 0.002 for centring adapter ZBZ01•
- | 3 8 $\times \varnothing 1.2 \text{ mm}$ / 0.05 in. holes
- | 4 1 hole $\varnothing 2.9 \text{ mm} \pm 0.05$ / 0.11 in. ± 0.002 , for aligning the printed circuit board (with cut-out marked **a**)

┆ 5 1 elongated hole for aligning the printed circuit board (with cut-out marked **b**)

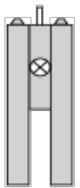
┆ 6 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

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

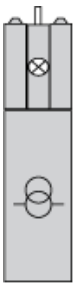
Electrical Composition Corresponding to Code M3



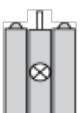
Electrical Composition Corresponding to Code M4



Electrical Composition Corresponding to Codes M6 and P2



Electrical Composition Corresponding to Codes M5, M10, MF1, MR1 and MF2



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		Right
	State		0		0
Contacts	N/O		open	open	
	N/C		closed	closed	

Position 45°



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