

Push Buttons & Operator Interface - XB5 22 mm Double Insulated Printed Circuit Board (PCB) Components



ZBE701



ZBE702

Contact Blocks for Printed Circuit Board (PCB) Connection ■

Description	Type of Contacts		Catalog Number
	N/O	N/C	
Standard contact blocks	1	–	ZBE701
	–	1	ZBE702
Special contact blocks (for low power switching and dust protected)	1	–	ZBE7016
	–	1	ZBE7026

Protected LED Light Modules for Printed Circuit Board (PCB) Connection ■



ZBVB-7

Description	Supply Voltage	Color of Light Source	Catalog Number
Protected LED  (For heads with protected LED, see page 88.)	24 Vac or Vdc	White	ZBVB17
		Green	ZBVB37
		Red	ZBVB47
		Yellow	ZBVB57
		Blue	ZBVB67



ZB5AZ009

Adaptor (socket) for Printed Circuit Board (PCB)

For use with	Catalog Number
Electrical block (contact or light module)	ZBZ010



ZB5AZ079

Body/Mounting Collar

For use with	Catalog Number
Electrical block (contact or light module)	ZB5AZ009

Accessories Specifically for Printed Circuit Boards (PCB) Connection

Description	Application	Catalog Number
Pillar	Printed circuit board support	ZB5AZ079
Mounting screw for printed circuit board	Pillar (ZB5AZ079)	ZBZ006

- For detail of support drilling and printed circuit board, see page 96. Must be used in conjunction with ZBZ010 adaptor (socket).

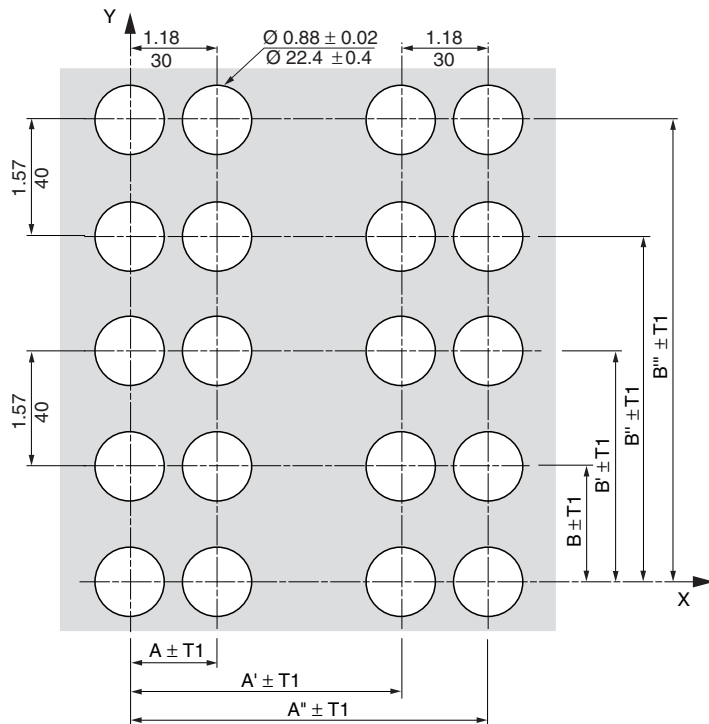


ZBZ010

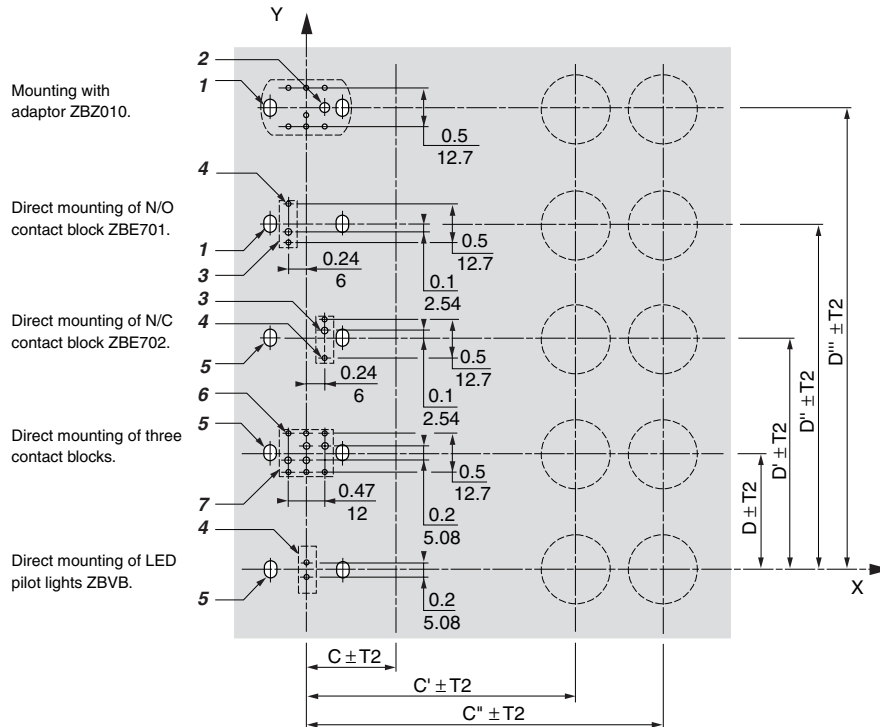
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Connecting Control Units to Printed Circuit Boards (PCB)

Panel drilling



Printed Circuit Board Drillings (viewed from electrical block side)



General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.02 inch (0.5 mm): $T1 + T2 = 0.02$ inch (0.5 mm) maximum.

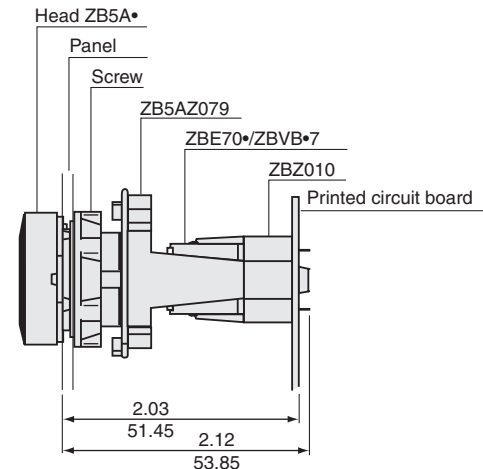
Related to horizontal direction X Related to vertical direction Y

Dimensions: A on panel Dimensions: B on panel

C on printed circuit board D on printed circuit board

Installation Precautions:

1. Minimum circuit board thickness: 0.063 in (1.6 mm)
2. Cut-out diameter: 0.88 in $\pm$ 0.004 (22.4 mm $\pm$ 0.1)
3. Orientation of body/mounting collar ZB5AZ009: $\pm 2^\circ 30'$
4. ZBZ005 and ZBZ006 mounting screw tightening torque: (0.6 N•m)



Dual Dimensions $\frac{\text{inches}}{\text{mm}}$

- 1 Two elongated holes for ZBZ005 screw access.
- 2 One - 0.1 inch $\pm$ 0.002 (2.6 mm $\pm$ 0.05) diameter hole for orientation of the ZBZ010 adaptor.
- 3 One - 0.07 inch $\pm$ 0.002 (1.8 mm $\pm$ 0.05) diameter hole for orientation of contact block.
- 4 Two - 0.05 inch $\pm$ 0.002 (1.2 mm $\pm$ 0.05) diameter holes.
- 5 Two elongated holes for ZBZ006 screw access.
- 6 Six - 0.05 inch $\pm$ 0.002 (1.2 mm $\pm$ 0.05) diameter holes.
- 7 Four - 0.07 inch $\pm$ 0.002 (1.8 mm $\pm$ 0.05) diameter holes.

Dual Dimensions $\frac{\text{inches}}{\text{mm}}$