

ZB4BS844

red Ø40 Emergency stop,switching off head Ø22
trigger and latching turn release



Main

Range of product	Harmony XB4
Product or component type	Head for emergency switching off push-button
Device short name	ZB4
Bezel material	Chromium plated metal
Mounting diameter	22 mm
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Trigger action and mechanical latching
Reset	Turn to release
Operator profile	Red mushroom Ø 40 mm unmarked



Complementary

CAD overall width	40 mm
CAD overall height	40 mm
CAD overall depth	57 mm
Product weight	0.073 kg
Mechanical durability	300000 cycles
Electrical composition code	C11 for <= 3 contacts using single blocks in front mounting C7 for <= 4 contacts using single blocks in front mounting C10 for <= 4 contacts using single and double blocks in front mounting C8 for <= 4 contacts using single and double blocks in front mounting C15 for 1 contacts using single blocks in front mounting
Main group	E-stop
Group of product	Emergency stop turn to release
Cap/Operator or lens colour	Red
Marking	Unmarked
Compatibility code	ZB4

Environment

Protective treatment	TH
Ambient air temperature for storage	-40...70 °C
Ambient air temperature for operation	-40...70 °C
Class of protection against electric shock	Class I conforming to IEC 61140
IP degree of protection	IP69 IP69K IP66 conforming to IEC 60529
NEMA degree of protection	NEMA 4X NEMA 4 NEMA 12 NEMA 13
IK degree of protection	IK06 conforming to IEC 50102
Standards	EN/IEC 60204-1 GB 14048.5 EN/IEC 60947-5-4 JIS C 4520 EN/IEC 60947-1 UL 508 EN/IEC 60947-5-5 EN/IEC 60947-5-1 EN/ISO 13850 CSA C22.2 No 14 IEC 60364-5-53
Product certifications	BV CSA GL UL listed DNV RINA LROS (Lloyds register of shipping)
Vibration resistance	5 gn (f = 2...500 Hz) conforming to IEC 60068-2-6
Shock resistance	30 gn (duration = 18 ms) for half sine wave acceleration conforming to IEC 60068-2-27 50 gn (duration = 11 ms) for half sine wave acceleration conforming to IEC 60068-2-27

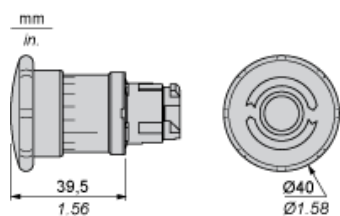
Offer Sustainability

Sustainable offer status	Green Premium product
RoHS (date code: YYWW)	Compliant - since 0810 - Schneider Electric declaration of conformity  Schneider Electric declaration of conformity
REACH	Reference not containing SVHC above the threshold Reference not containing SVHC above the threshold
Product environmental profile	Available  Product environmental
Product end of life instructions	Need no specific recycling operations

Contractual warranty

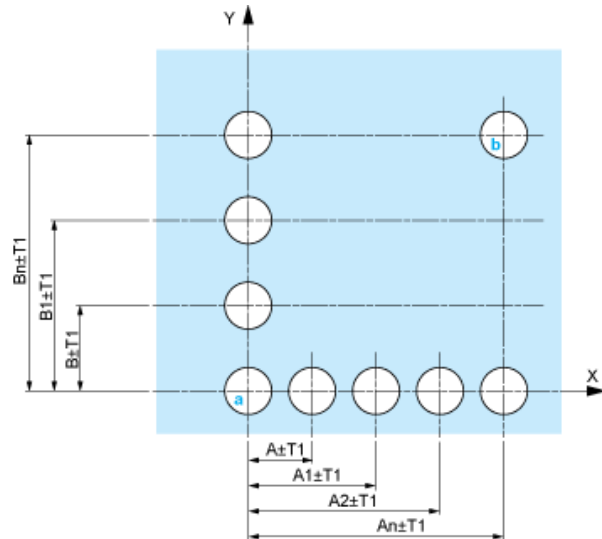
Warranty period	18 months
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Dimensions



Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

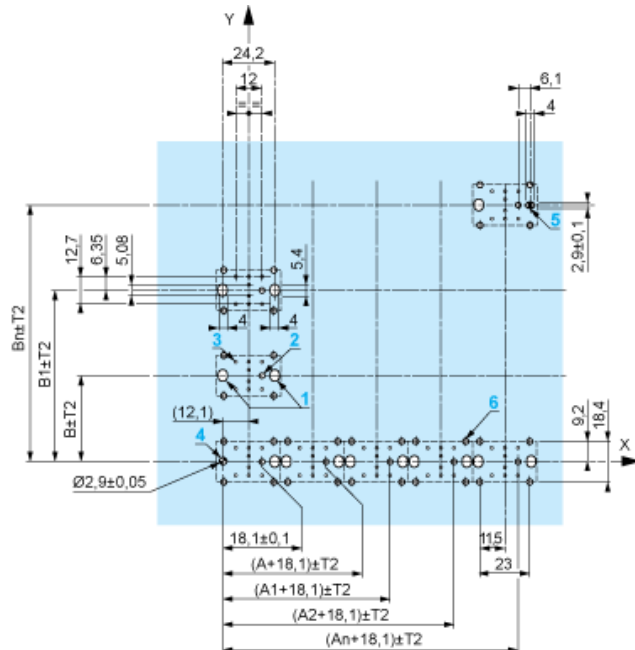
Panel Cut-outs (Viewed from Installer's Side)



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

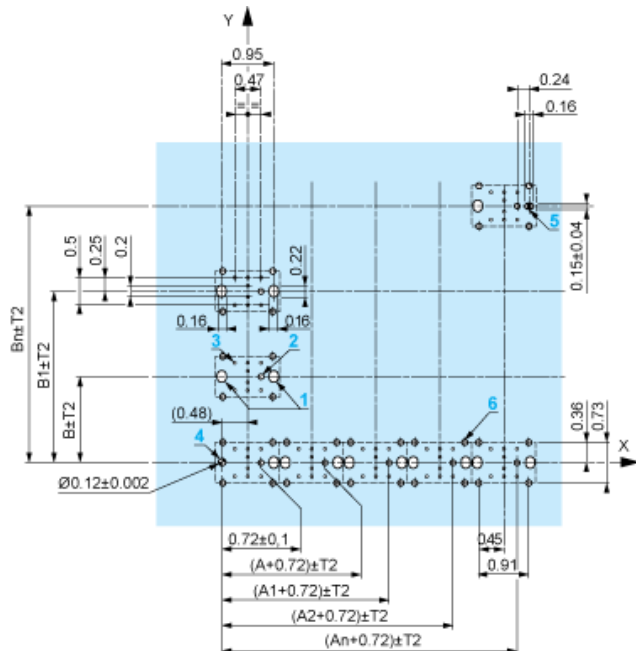
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



- A: 30 mm min.
B: 40 mm min.

Dimensions in in.



A: 1.18 in. min.

B: 1.57 in. min.

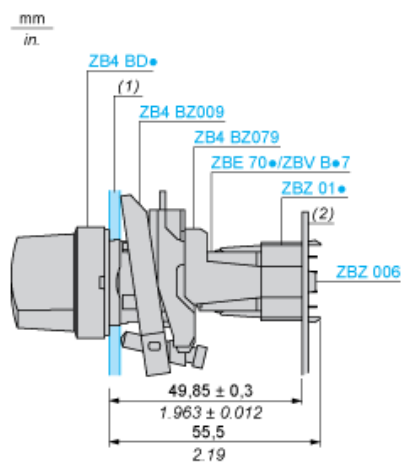
General Tolerances of the Panel and Printed Circuit Board

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 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

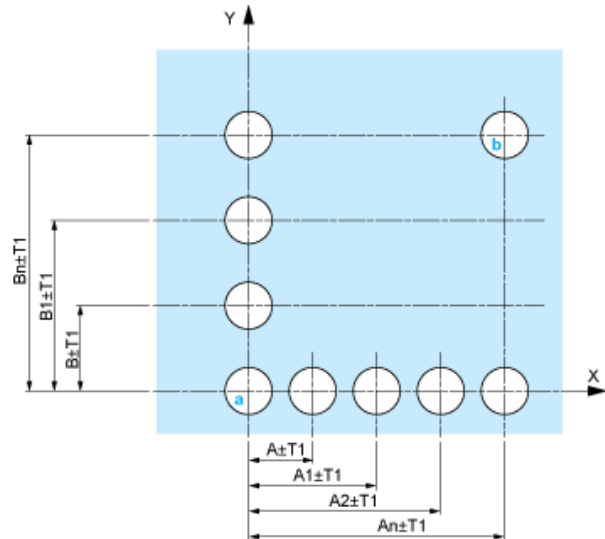
Mounting of Adapter (Socket) ZBZ 01•

- 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•.

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

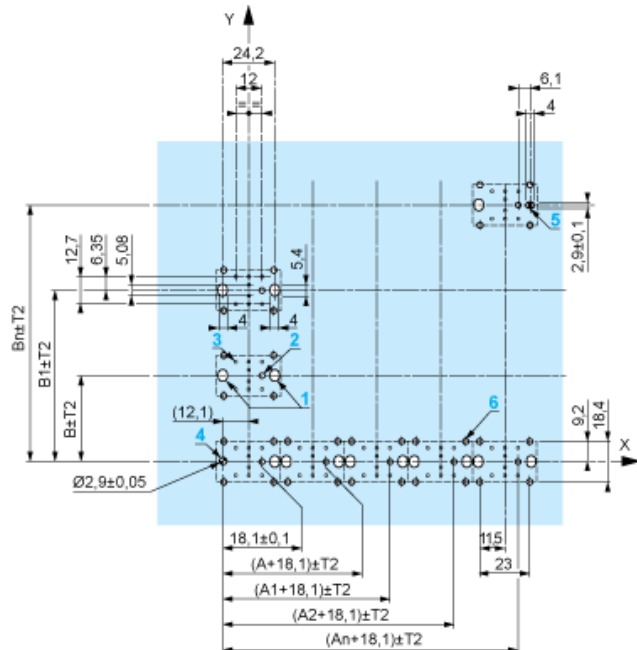
Panel Cut-outs (Viewed from Installer's Side)



- 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.

B: 1.57 in. min.

The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

- 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•).

Technical drawing of a ZBZ 006 tool head assembly. The drawing shows a side view of the tool with various components labeled. Dimensions are provided in millimeters (mm) and inches (in.).

Dimensions:

- Overall length: 49.85 ± 0.3 mm
- Distance from front face to center of ZB4 BZ009: 1.963 ± 0.012 mm
- Distance from front face to center of ZB4 BZ079: 55.5 mm
- Distance from front face to center of ZBZ 01: 2.19 mm

Part numbers and labels:

- ZB4 BD
- ZB4 BZ009
- ZB4 BZ079
- ZBE 70/ZBV B7
- ZBZ 01
- ZBZ 006

Scale: mm / in.

- 8

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- 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•.

Legend

Single contact



Double contact



Light block



Possible location



Legend

Single contact



Double contact



Light block



Possible location



Legend

Single contact



Double contact



Light block



Possible location



Legend

Single contact



Double contact



Light block



Possible location



Legend

Single contact



Double contact



Light block



Possible location



Legend

Single contact



Double contact



Light block



Possible location

