Product data sheet Characteristics

ZB5AG04D

selector switch head Ø22 3-position stay put Dom 8D1

Product availability: Non-Stock - Not normally stocked in distribution facility

Price*: 90.00 USD



Main

Commercial Status	Commercialised
Range of product	Harmony XB5
Product or component type	Head for key selector switch
Device short name	ZB5
Bezel material	Plastic
Mounting diameter	0.87 in (22 mm)
Sale per indivisible quantity	1
Shape of signaling unit head	Round
Type of operator	Stay put
Operator profile	Black key switch
Operator position information	3 positions +/- 45°
Type of keylock	Dom 8D1
Key withdrawal position	Right and center

Complementary

CAD overall width	1.14 in (29 mm)
CAD overall height	1.14 in (29 mm)
CAD overall depth	2.83 in (72 mm)
Product weight	0.13 lb(US) (0.057 kg)
Mechanical durability	1000000 cycles
Station name	XALK 25 cut-outs XALD 15 cut-outs
Electrical composition code	SR1 <= 3 contacts using single blocks in rear mounting SF1 <= 3 contacts using single blocks in front mounting C3 <= 6 contacts using single blocks in front mounting C11 <= 3 contacts using single blocks in front mounting C8 <= 4 contacts using single and double blocks in front mounting C7 <= 4 contacts using single blocks in front mounting C6 <= 5 contacts using single and double blocks in front mounting C5 <= 5 contacts using single blocks in front mounting C4 <= 6 contacts using single and double blocks in front mounting

Environment

TH	
-40158 °F (-4070 °C)	
-13158 °F (-2570 °C)	
Class II conforming to IEC 60536	
IP69K conforming to IEC 60529	
NEMA 4X NEMA 13	
1015.26 psi (7000000 Pa) at 131 °F (55 °C),distance: 0.1 m	
IK06 conforming to IEC 50102	
	-40158 °F (-4070 °C) -13158 °F (-2570 °C) Class II conforming to IEC 60536 IP69K conforming to IEC 60529 NEMA 4X NEMA 13 1015.26 psi (7000000 Pa) at 131 °F (55 °C), distance: 0.1 m

Standards	EN/IEC 60947-1
	EN/IEC 60947-5-1
	EN/IEC 60947-5-4
	JIS C 4520
	UL 508
	CSA C22.2 No 14
Product certifications	BV
	CSA
	DNV
	GL
	LROS (Lloyds register of shipping)
	RINA
	UL listed
Vibration resistance	5 gn (f = 2500 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn (duration = 11 ms) half sine wave acceleration conforming to IEC 60068-2-27
	30 gn (duration = 18 ms) half sine wave acceleration conforming to IEC 60068-2-27

Ordering and shipping details

Category	22467 - PUSHBUTTONS,22MM(PLASTIC) NEW
Discount Schedule	CS2
GTIN	00785901588528
Nbr. of units in pkg.	1
Product availability	Non-Stock - Not normally stocked in distribution facility
Returnability	N
Country of origin	FR

Contractual warranty

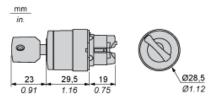
Warranty period 18 month	hs
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Product data sheet Dimensions Drawings

ZB5AG04D

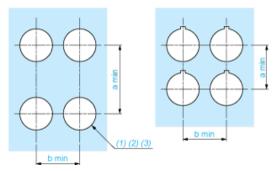
Dimensions



ZB5AG04D

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

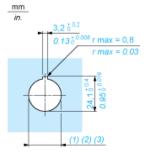
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



- Diameter on finished panel or support (1)
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended. \varnothing 22.5 mm recommended (\varnothing 22.3 $_0$ $^{+0.4}$) / \varnothing 0.89 in. recommended (\varnothing 0.88 in. $_0$ $^{+0.016}$)

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

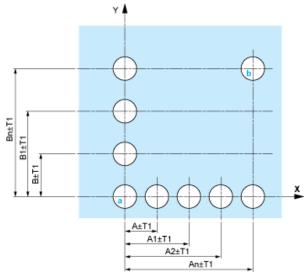
Detail of Lug Recess



- Diameter on finished panel or support
- For selector switches and Emergency stop buttons, use of an anti-rotation plate type ZB5AZ902 is recommended.
- Ø22.5 mm recommended (Ø22.3 $_0$ $^{+0.4}$) / Ø0.89 in. recommended (Ø0.88 in. $_0$ $^{+0.016}$)

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

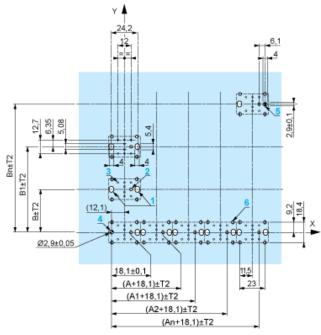
Panel Cut-outs (Viewed from Installer's Side)



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

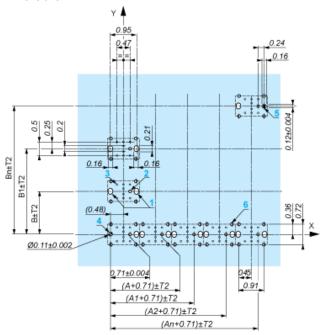
Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



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

Dimensions in in.



A: 1.18 in. min. B: 1.57 in. min.

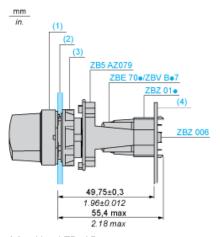
General Tolerances of the Panel and Printed Circuit Board

The cumulative tolerance must not exceed 0.3 mm / 0.012 in.: T1 + T2 = 0.3 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: ± 2 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:
 - o every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
 - o 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 Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 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 Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ01•

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



Electrical Composition Corresponding to Code C4
Electrical Composition Corresponding to Code C5
Electrical Composition Corresponding to Code C6
Electrical Composition Corresponding to Code C7
Electrical Composition Corresponding to Code C8

		22daa 00 044 054				
Electrical Composition	Corresponding to C	50des C9, C11, SF1	and Sr	K I		
Legend						
Single contact						
Double contact						
Light block						
8						
Possible location						
Sequence of Contacts	Fitted to 3-position	Selector Switch Boo	ly			
Position 315°			•			
Push	Position	Тор				

 \triangle

Bottom

Location		Left	Centre	Right	
State		1	1	0	
Contacts	N/O		closed	closed	open
N/C		open	open	closed	

Position 0°



Push	Position	Тор			
Bottom	Δ	Δ			
Location		Left	Centre	Right	
State		0	0	0	
Contacts	N/O		open	open	open
N/C		closed	closed	closed	

Position 45°



Push	Position	Тор			
Bottom					
Location		Left	Centre	Right	
State		0	1	1	
Contacts	N/O		open	closed	closed
N/C		closed	open	open	