## ZB5AK1263

# blue illuminated selector switch head Ø22 2-position stay put



#### Main Range of product Harmony XB5 Product or component Head for illuminated selector switch type Product compatibility Integral LED ZB5 Device short name Bezel material Dark grey plastic Mounting diameter 0.87 in (22 mm) Standard Head type Sale per indivisible quantity Shape of signaling unit Round head Type of operator Stay put

Blue standard handle

2 positions 90°

Comp	lemen	tary

Device presentation	Basic element	
	M4 4 single and double front mounting integral LED	
	MF1 2 single front mounting integral LED MR1 2 single rear mounting integral LED	
	M10 2 single front mounting integral LED	
	M6 2 single front mounting integral LED and transformer	
Electrical composition code	M3 4 single front mounting integral LED	
	1.111.111	
Station name	XALK 25 cut-outs	
Station name	XALD 15 cut-outs	
Mechanical durability	1000000 cycles	
Net Weight	0.04 lb(US) (0.016 kg)	
CAD overall depth	1.69 in (43 mm)	
CAD overall height	1.14 in (29 mm)	
CAD overall width	1.14 in (29 mm)	
0.4.0	444: (00	

Operator profile

information

Operator position

#### Environment

Protective treatment	TH			
Ambient air temperature for storage	-40158 °F (-4070 °C)			
Ambient air temperature for operation	-40158 °F (-4070 °C)			
Overvoltage category	Class II IEC 60536			
IP degree of protection	IP66 IEC 60529 IP67 IP69 IP69K			
NEMA degree of protection	NEMA 13 NEMA 4X			
Resistance to high pressure washer	1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m			
IK degree of protection	IK06 IEC 50102			

Standards	EN/IEC 60947-5-5
	UL 508
	EN/IEC 60947-5-4
	EN/IEC 60947-1
	EN/IEC 60947-5-1
	CSA C22.2 No 14
	JIS C8201-5-1
	JIS C8201-1
Product certifications	CSA
	LROS (Lloyds register of shipping)
	RINA
	UL Listed
	GL
	BV
	DNV
Vibration resistance	5 gn 2500 Hz)IEC 60068-2-6
Shock resistance	30 gn 18 ms) half sine wave acceleration IEC 60068-2-27
	50 gn 11 ms) half sine wave acceleration IEC 60068-2-27

## Ordering and shipping details

Category	22467 - PUSHBUTTONS,22MM(PLASTIC) NEW
Discount Schedule	CS2
GTIN	00785901386636
Nbr. of units in pkg.	1
Package weight(Lbs)	0.05 lb(US) (0.02 kg)
Returnability	No
Country of origin	FR

## Packing Units

Package 1 Height	0.560 dm
Package 1 width	0.340 dm
Package 1 Length	0.540 dm

## Offer Sustainability

Yes
Pro-active compliance (Product out of EU RoHS legal scope) EU RoHS  Declaration
Yes
Yes
₫Yes
☐ China RoHS Declaration
Product Environmental Profile
☑ End Of Life Information

### Contractual warranty

141	
Warranty	19 months
vvarranty	18 months
•	

# Product data sheet Dimensions Drawings

## ZB5AK1263

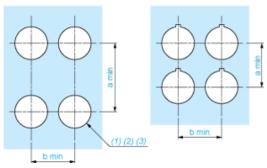
#### **Dimensions**





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

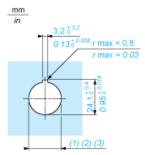
Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board



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

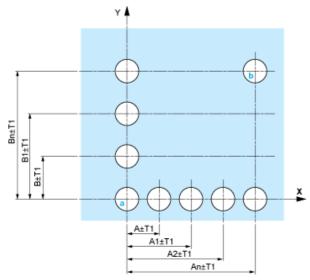
#### **Detail of Lug Recess**



- (1) 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  $_0$  <sup>+0.4</sup>) / Ø0.89 in. recommended (Ø0.88 in.  $_0$  <sup>+0.016</sup>)

Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

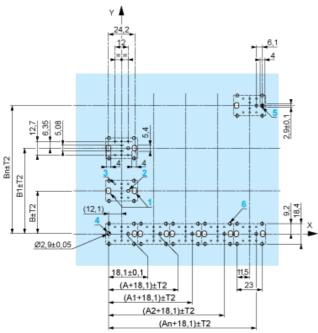
#### Panel Cut-outs (Viewed from Installer's Side)



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

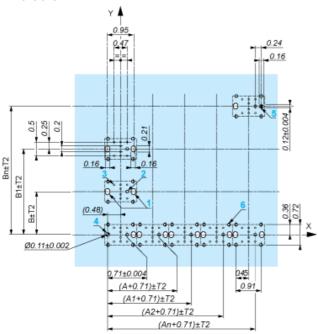
### Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

#### Dimensions in mm



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

#### Dimensions in in.



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

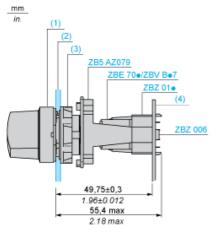
#### General Tolerances of the Panel and Printed Circuit Board

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

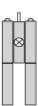
#### Mounting of Adapter (Socket) ZBZ01•

- 1 2 elongated holes for ZBZ006 screw access
- 2 1 hole Ø 2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 for centring adapter ZBZ01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- 4 1 hole Ø 2.9 mm ± 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  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ01•.

## ZB5AK1263

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	Тор			
				$\otimes$	
Bottom					
Location		Left	Right		
State		0	0		
Contacts	N/O		open	open	
N/C		closed	closed		•

### Position 45°



Push	Position	Тор		$\otimes$	
Bottom					
Location		Left	Right		
State		1	1		
Contacts	N/O		closed	closed	
N/C		open	open		