

Flush Bezel (Accessories) LB/A6 Series

Flush silhouette bezels for LB/ A6 series switches and pilot lights.

- Accessories for LB (standard bezel) / A6 series.
- Bezel Size
 - Round: $\varnothing 24$ mm (Panel Cut-out: $\varnothing 20.2$ mm)
 - Square: $\square 24$ mm (Panel Cut-out: $\square 20.2$ mm)
 - Rectangular: 24×30 mm (Panel Cut-out: 20.2×26.2 mm)









Applicable models

Series	A6 Series	LB Series (Standard Bezel)
Functions	Illuminated Pushbutton Pilot Light Pushbutton Selector Switch Key Selector Switch	Illuminated Pushbutton Pilot Light Pushbutton Selector Switch Key Selector Switch Illuminated Selector Switch Lever Switch Buzzer




- Cannot be used for large lens units.
- Cannot be used for A6 series 100V / 200V AC illuminated pushbuttons and pilot lights.



Flush Bezel

Shape	Specification	Part No.	Package Quantity	Remarks
Round 	Bezel: Aluminum Gasket: Nitrile rubber Mounting bracket: Stainless steel	LA9Z-SM61	1	<ul style="list-style-type: none"> • Degree of protection: IP65 (only when used with IP65 control units)
Round 		LA9Z-S61B	1	
Square 		LA9Z-S71B	1	
Rectangular 		LA9Z-S81B	1	
Switch Guard with Flush Bezel (Spring Return) Rectangular 	Guard: Polyarylate (transparent) Bezel: Polyamide (black) Gasket: Nitrile Rubber Mounting bracket: Stainless steel	LA9Z-KS8	1	<ul style="list-style-type: none"> • Used for rectangular pushbuttons and illuminated pushbuttons. Cannot be used for selector switches, illuminated selector switches, and lever switches. • Degree of protection: IP65 (only when used with IP65 control units)
Dust Cover	Round 	LA9Z-DS6	1	<ul style="list-style-type: none"> • Dust cover is supplied with a flush bezel. • Degree of protection: IP65 • Applicable type: pushbuttons and illuminated pushbuttons.
	Square 	LA9Z-DS7	1	
	Rectangular 	LA9Z-DS8	1	

- Other than the accessories mentioned above, insulation covers and maintenance parts can also be used. (Except switchguard: AL-K, dust cover: AL-D.)

Shape	Specification	Part No.	Package Quantity	Remarks
Round 	Plug: Polyamide (black) Gasket: Nitril rubber Mounting bracket: Stainless steel	LA9Z-BS6	1	<ul style="list-style-type: none"> Degree of protection: IP65 Panel thickness: 0.5 to 5 mm
Square 		LA9Z-BS7	1	
Rectangular 		LA9Z-BS8	1	

Ordering Information

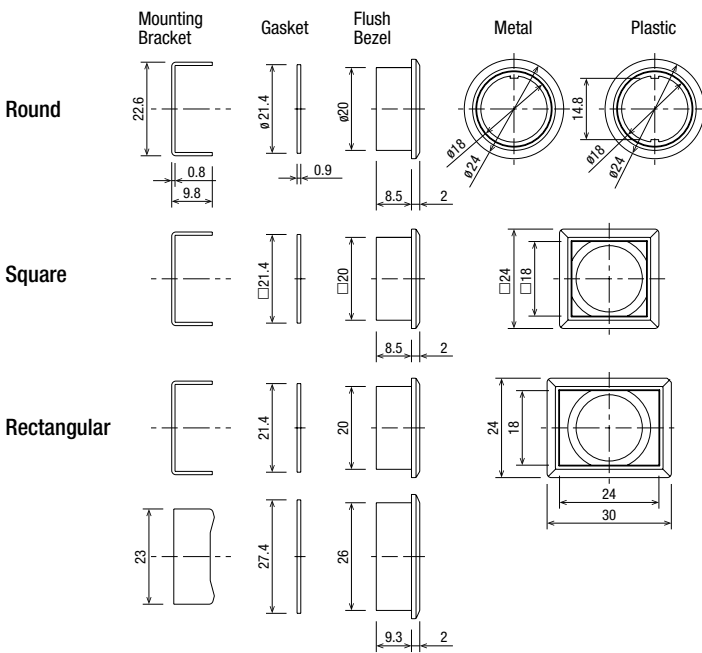
- LB / A6 series switches and pilot lights are not supplied with flush bezels. Order flush bezels separately.

Specifications

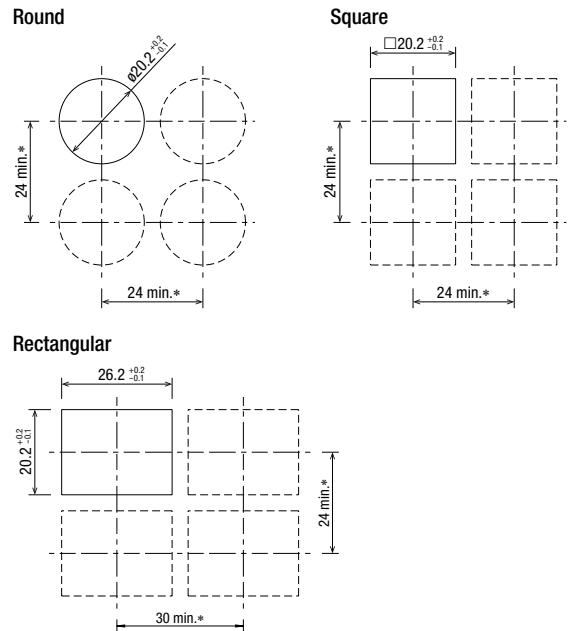
- Based on LB / A6 series specifications.

Dimensions All dimensions in mm.

Flush Bezel



Mounting Hole Layout



* When mounting the dust cover:
 Round and square types: 27 mm minimum
 Rectangular type: Vertical 27 mm, Horizontal 33 mm minimum

Flush Bezel with Control Units

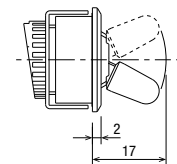
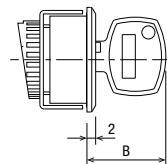
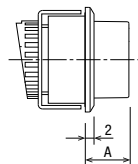
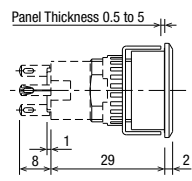
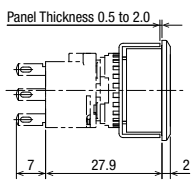
LB Series

A6 Series

**Selector Switch/
Illuminated Selector Switch**

Key Selector Switch

Lever Switch



- A (mm)
- LB Selector Switch (Knob Operator) : 8.5
 - LB Selector Switch (Lever Operator) : 11.1
 - LB Illuminated Selector Switch : 10.3
 - A6 Selector Switch : 8.5

- B (mm)
- LB Disc Tumbler Key : 18.1
 - LB Wave Key : 24.3
 - A6 Disc Tumbler Key : 18.1

LB Lever Switch: 17.0

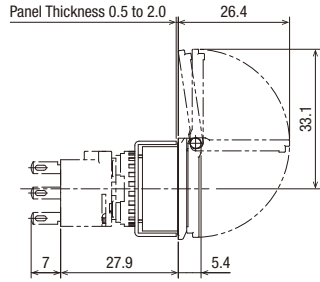
Flush Bezel (Accessories) LB/A6 Series

Dimensions

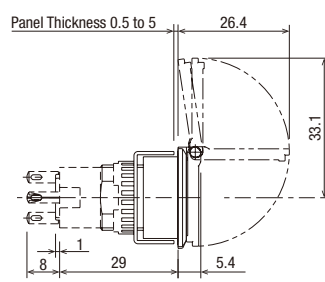
All dimensions in mm.

Flush Bezel with Switch Guard

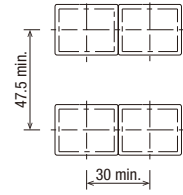
LB Series



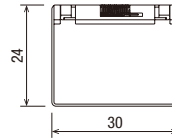
A6 Series



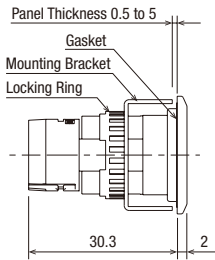
[Mounting Hole Layout]



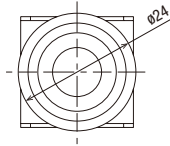
Mounting holes are the same size as rectangular flush bezels.



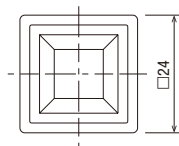
Mounting Hole Plug



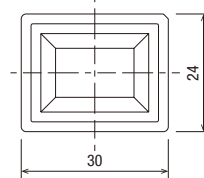
Round



Square



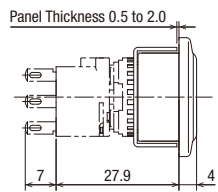
Rectangular



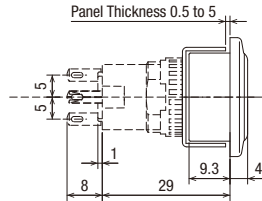
Mounting holes are the same size as flush bezels.

Dust Cover

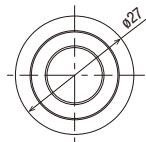
LB Series



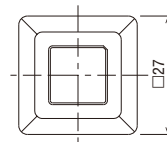
A6 Series



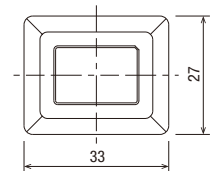
Round



Square



Rectangular



Minimum mounting centers when dust cover is installed:
 Round/square: 27mm minimum
 Rectangular: Vertical 27mm minimum
 Horizontal 33mm minimum

APEM

Switches & Pilot Lights

Control Boxes

Emergency Stop Switches

Enabling Switches

Safety Products

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit Protectors

Power Supplies

LED Illumination

Controllers

Operator Interfaces

Sensors

AUTO-ID

Flush Silhouette

ø16

ø22

ø30

Miniature

Pilot Lights

CW

LW-F

LB

LBW

UP

Flush Bezel

APEM

Switches & Pilot Lights

Control Boxes

Emergency Stop Switches

Enabling Switches

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Flush Silhouette

ø16

ø22

ø30

Miniature

Pilot Lights

CW

LW-F

LB

LBW

UP

Flush Bezel

⚠ Safety Precautions

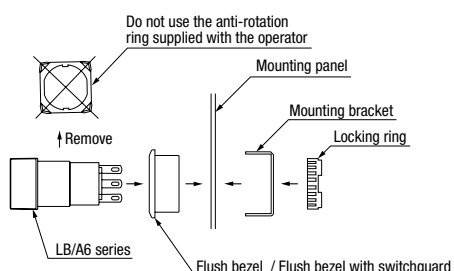
- Turn off the power to the control units before installation, removal, wiring, maintenance, and inspection. Failure to turn power off may cause electrical shocks or fire hazard.
- To avoid burning your hand, use the lamp holder tool when replacing lamps.

- For wiring, use wires of a proper size to meet voltage and current requirements and solder correctly. Improper soldering may cause overheating and fire hazard. Also, when using tab terminals, use appropriate quick connect receptacles.

Instructions

Panel Mounting of Flush Bezels

1. Remove the locking ring and anti-rotation ring from the operator.
2. Attach the flush bezel to the operator. Then insert the assembly into the panel. Attach the mounting bracket and tighten the locking ring. (Do not use the anti-rotation ring supplied with the operator.) For round flush bezels, place the projection on the bezel to the groove on the TOP side of the operator and mount onto the panel.



• Notes on Panel Mounting

Use a locking ring wrench (MT-001) to mount the operator onto the panel.

Recommended tightening torque is as below:

LB series: 0.5 to 0.7 N·m

A6 series: 0.88 N·m.

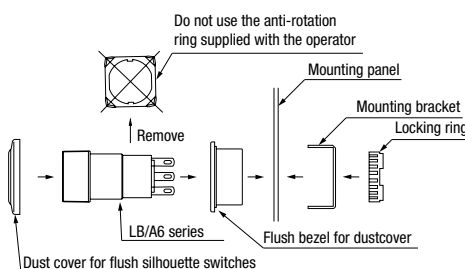
Do not use pliers. Excessive tightening will damage the locking ring.

Flush Bezel with Switchguards

Do not apply load on the guard in the direction other than the opening/closing the guard. Otherwise the hinge part will be damaged.

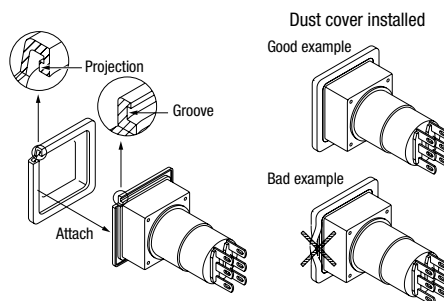
Installing the Dust Cover

Attach the dust cover and the flush bezel to the LB/A6 series operator. Then insert the assembly into the panel. Attach the mounting bracket and tighten the locking ring. Tighten the locking ring to the recommended tightening torque (LB series: 0.5 to 0.7 N·m, A6 series: 0.88N·m). (Do not use the anti-rotation ring supplied with the operator.)



• Precautions for Installing the Dust Cover

Install the dust cover to wrap around the entire periphery of the flush bezel. Make sure that the projection on the dust cover is placed into the groove on the back of the bezel. If the projection is not placed correctly, normal waterproof/dustproof characteristics will not apply.



Replacing the Lens

Remove the lens assembly (lens, marking plate, and lens holder) from the operator by holding the lens removal tool (MT-101) and pull out.



• For other instructions, refer to A6 series pages.

Flush Bezel (Accessories) LW Series


Flush silhouette bezels for LW series
Transforms LW series to $\phi 30$ flush silhouette switches.

- Panel cut-out compliant with IEC standards.
- $\phi 22$ mm LW series changes to $\phi 30$ mm flush silhouette switches by using flush bezels.

Applicable Models

Series	LW (round bezels only)
Functions	Illuminated pushbutton Pilot light Pushbutton Selector switch Key selector switch Illuminated selector switch Buzzer

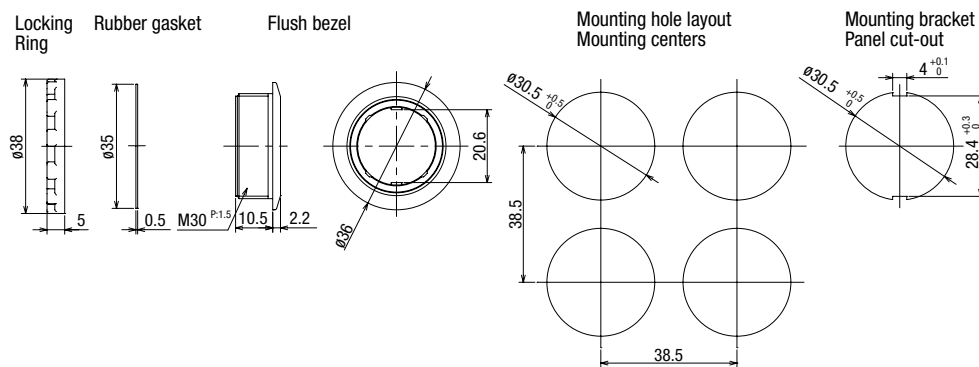


Shape	Material	Bezel Color	Ordering No.	Remarks
Round 	Adapter: polyamide Rubber gasket: nitril rubber Locking ring: polyamide	Black	LW9Z-AS61B	Degree of protection: IP65 (when used with IP65 units)
		Metallic	LW9Z-ASM61	

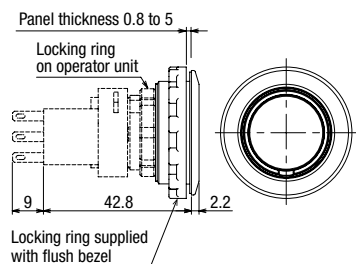
Dimensions

For $\phi 22$ mm LW (LW9Z-AS61B/LW9Z-ASM61)

All dimensions in mm.



Flush bezel installed



APEM

Switches & Pilot Lights

Control Boxes

Emergency Stop Switches

Enabling Switches

Safety Products

Explosion Proof

Terminal Blocks

Relays & Sockets

Circuit Protectors

Power Supplies

LED Illumination

Controllers

Operator Interfaces

Sensors

AUTO-ID

Flush Silhouette

ø16

ø22

ø30

Miniature

Pilot Lights

CW

LW-F

LB

LBW

UP

Flush Bezel

⚠ Safety Precautions

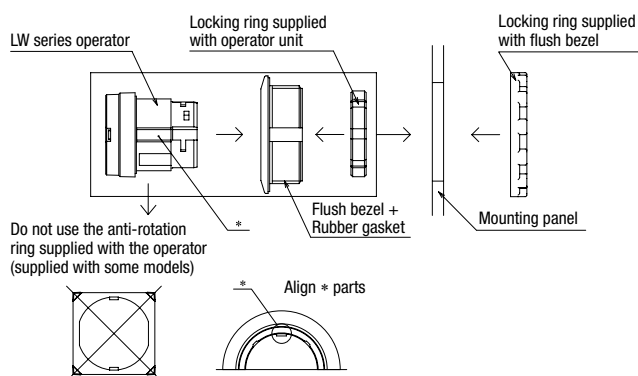
- Turn off the power before installation, removal, wiring, maintenance, and inspection. Failure to turn power off may cause electrical shocks or fire hazard.
- LED lamp/LED unit is hot right after the power has turned off. To avoid burning your hand, make sure the temperature has dropped sufficiently. Use the lamp holder tool when replacing the lamps.
- For wiring, use wires of a proper size to meet voltage and current requirements. Improper solder may cause overheating and create a fire hazard. Also, when using tab terminals, use receptacles of appropriate size.

Operating Instructions

ø30 mm flush bezel (for ø22 mm LW series)

Panel mounting

1. Detach the operator unit from the contact block. To do so, turn the locking lever on the contact block in the direction opposite to the arrow on the housing. Remove the locking ring and anti-rotation ring (supplied on some models).
2. Attach the rubber gasket on the flush bezel. Install the bezel on the LW operator unit, and tighten using the locking ring which is supplied with the LW series. Use the optional ring wrench (LW9Z-T1) and tighten to a recommended torque of 1.2 N·m. Then install the unit onto the panel and tighten using the locking ring supplied with the flush bezel. (Do not use the anti-rotation ring supplied with the operator unit of some models.)
3. Insert the contact block with TOP markings on the contact block and the operator unit placed in the same direction. Then lock the units, turning the locking lever in the direction of the arrow.



Notes on panel mounting

Use the optional ring wrench (XN9Z-T1) to mount the operator onto the panel. The recommended tightening torque is 1.8 to 2.0 N·m. Do not use pliers. Excessive tightening will damage the locking ring.

