

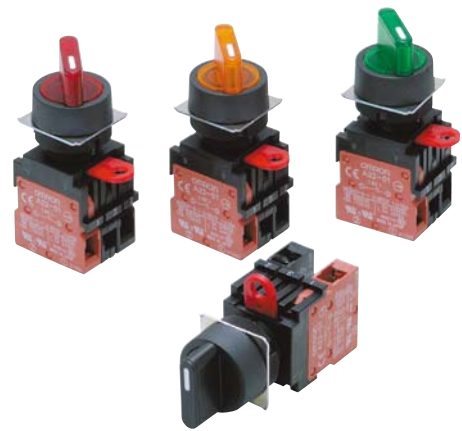
# Knob-type Selector Switch (Cylindrical 22/25-dia.)

# A22



## Install in 22-dia. or 25-dia. Panel Cutout

- Lever for easily mounting and removing the Switch Unit
- Increase wiring efficiency with three-row mounting of Switch Blocks.
- Finger protection mechanism on Switch Unit provided as a standard feature.
- Use 25-dia. ring to install in 25-dia. panel cutouts.
- Mounted using either open-type (fork-type) or closed-type (round-type) crimp terminals.
- IP65 oil resistance (non-lighted models)  
IP65 (lighted models)



## Model Number Structure

**Model Number Legend**..... Shipped as a set which includes the Selector, Lamp (lighted models only), and Switch.  
For information on combinations, refer to *Ordering Information* on pages 2 to 4.

(1) (2) (3) (4) (5)  
**A 22 W - 2M G - 6D - 11**

**(1) Lighted/Non-lighted**

Code	Description
S	Non-lighted
W	Lighted

**(3) Illumination Color**

Code	Color
R	Red
G	Green
Y	Yellow
A	Blue
None	Black*

\* For non-lighted models only

**(4) Light Source Without Voltage Reduction Unit**

Code	Type	Operating Voltage
None	Non-lighted	
6D	LED	6 VDC
6A		6 VAC
12A		12 VAC/VDC
24A		24 VAC/VDC
5	Incandescent lamp	5 VAC/VDC
12		12 VAC/VDC
24		24 VAC/VDC

**With Voltage Reduction Unit**

Code	Type	Operating Voltage
T1	LED	100 VAC
T2		200 VAC

• LED incorporates the 24-VAC/VDC models.

**(5) Contacts**

Code	Description
10	SPST-NO *
01	SPST-NC *
11	SPST-NO + SPST-NC
20	SPST-NO + SPST-NO
02	SPST-NC + SPST-NC

\* For models with 2 notches  
Note: The contacts are rated for standard loads. For microloads, refer to Accessories section for the A22.

**(2) Number of Notches/Reset Method**

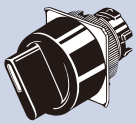




Code	Number of Notches	Reset Method
2M	2 notches	Manual
2A		Automatic
3M	3 notches	Manual
3A		Automatic






## Ordering Information

**Subassembled**..... The Selector, Lamp, or Switch can be ordered separately. Use them in combination for models that are not available as assembled Units. These can also be used as inventory for maintenance parts.






### Selectors

#### Non-lighted (Color: Only Black is Available)

Sealing		IP65 (oil-resistant)	
Appearance		Standard lever	
Notches	Reset method	Model	
2 notches	Manual 	A22S-2M	
	Automatic 	A22S-2A	
3 notches	Manual 	A22S-3M	
	Automatic 	A22S-3A	

Sealing		IP65 (oil-resistant)	
Appearance		Long lever	
Notches	Reset method	Model	
2 notches	Manual 	A22S-C2M	
	Automatic 	A22S-C2A	
3 notches	Manual 	A22S-C3M	
	Automatic 	A22S-C3A	

#### Lighted

Sealing			IP65			
Appearance			Standard lever			
Notches	Reset method	Selector color	Model			
2 notches	Manual 	Red	A22W-2MR			
		Green	A22W-2MG			
		Yellow	A22W-2MY			
		Blue	A22W-2MA			
	Automatic 	Red	A22W-2AR			
		Green	A22W-2AG			
		Yellow	A22W-2AY			
		Blue	A22W-2AA			
		3 notches	Manual 	Red	A22W-3MR	
				Green	A22W-3MG	
				Yellow	A22W-3MY	
				Blue	A22W-3MA	
Automatic 	Red		A22W-3AR			
	Green		A22W-3AG			
	Yellow		A22W-3AY			
	Blue		A22W-3AA			

Note: Either incandescent lamps or LED lamps can be used with the above models.

## Nomenclature

### Contacts

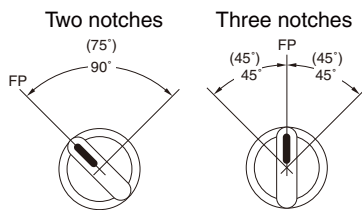
#### 2-notch Type

Knob position	SPST-NO	SPST-NC	SPST-NO + SPST-NC	SPST-NO + SPST-NO	SPST-NC + SPST-NC

#### 3-notch Type

Knob position	SPST-NO + SPST-NC	SPST-NO + SPST-NO	SPST-NC + SPST-NC

### Operation Angle



Note: 1. The angle used for automatic reset is shown in parentheses.  
 2. FP: Free Position

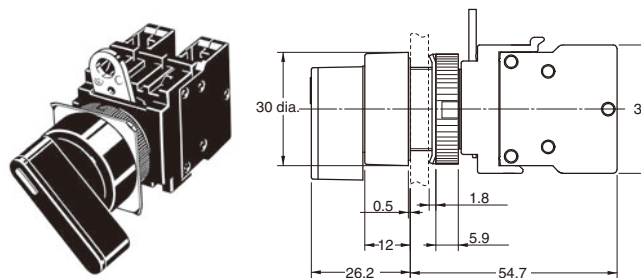
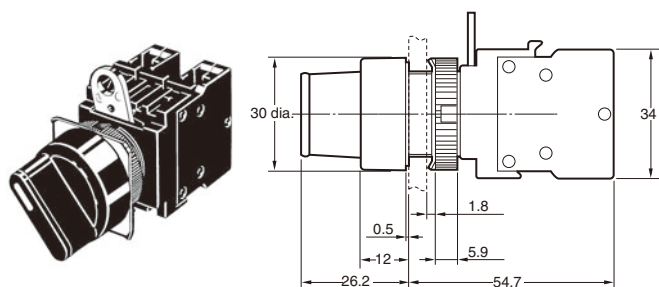
## Dimensions

### Knob-type Selector Switch (Lighted/Non-lighted)

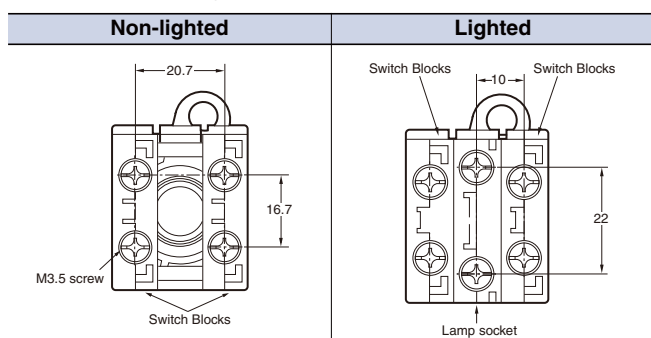
Knob-type Selector Switch

A22S/A22W

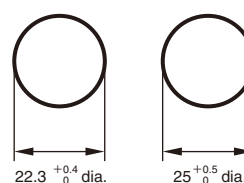
A22S-C



### Terminal Arrangement (Bottom View)

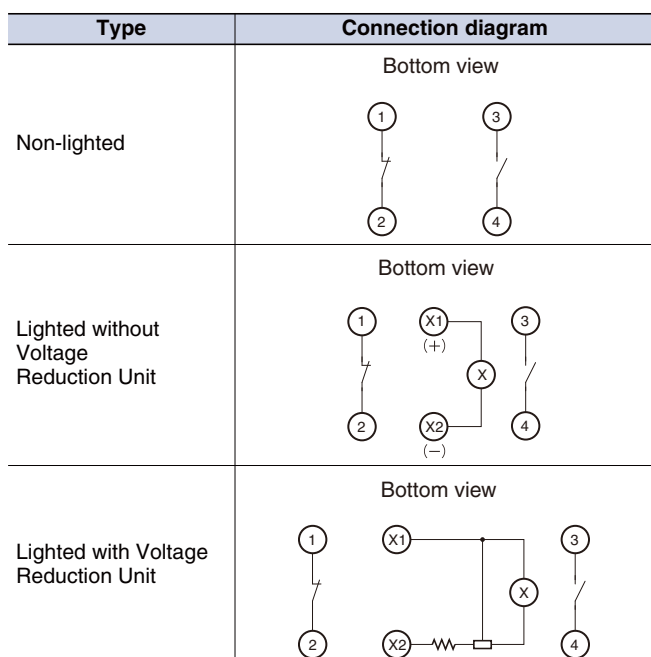


### Panel Cutouts



- When applying coating such as paint to the panel, the dimensions should be those after the application of coating.
- Recommended panel thickness: 1 to 5 mm.
- Use an A22Z-R25 Ring when mounting to a panel with 25-mm holes.

### Terminal Connection



Note: The above terminal connection diagrams are examples for SPST-NO + SPST-NC.

### Accessories

Refer to the relevant information in the corresponding section for the A22.