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

$C \, \epsilon$ 🇺🇱 c🇺🇱 ⊂⊂⊂ₛ

■ 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)
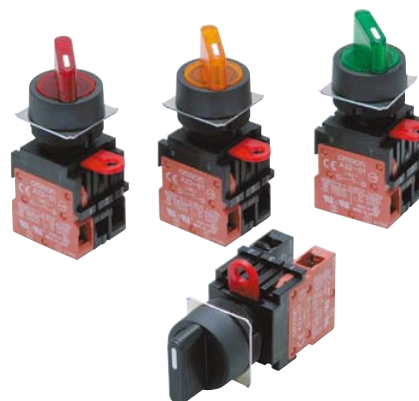
Model Number Structure

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

(2) Number of Notches/Reset Method

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

(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	Incan-descent 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.
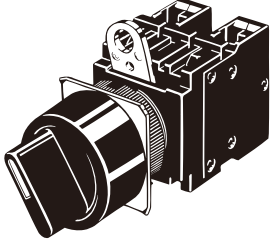
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Ordering Information

Completely Assembled .... Shipped as a set which includes the Selector, Lamp (lighted models only), and Switch.
Non-lighted Knob-type Selector Switch

Appearance	Number of notches	Resetting method	Output	Model	Color of Selector
Knob-type Selector Switch A22S	2 notches	Manual	SPST-NO	**A22S-2M-10**	Black
			SPST-NC	**A22S-2M-01**	
			SPST-NO + SPST-NC	**A22S-2M-11**	
			SPST-NO + SPST-NO	**A22S-2M-20**	
			SPST-NC + SPST-NC	**A22S-2M-02**	
		Automatic	SPST-NO	**A22S-2A-10**	
			SPST-NC	**A22S-2A-01**	
			SPST-NO + SPST-NC	**A22S-2A-11**	
			SPST-NO + SPST-NO	**A22S-2A-20**	
			SPST-NC + SPST-NC	**A22S-2A-02**	
	3 notches	Manual	SPST-NO + SPST-NC	**A22S-3M-11**	
			SPST-NO + SPST-NO	**A22S-3M-20**	
			SPST-NC + SPST-NC	**A22S-3M-02**	
		Automatic	SPST-NO + SPST-NC	**A22S-3A-11**	
			SPST-NO + SPST-NO	**A22S-3A-20**	
			SPST-NC + SPST-NC	**A22S-3A-02**	
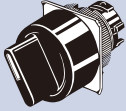
Note: The contact ratings are for standard loads.

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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 theabove models.

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Nomenclature

Contacts
2-notch Type

Knob position	SPST-NO	SPST-NC	SPST-NO + SPST-NC	SPST-NO + SPST-NO	SPST-NC + SPST-NC
⬉	o—o	•—•	o—o •—•	o—o o—o	•—• •—•
⬈	o—o	•—•	o—o •—•	o—o o—o	•—• •—•

3-notch Type

Knob position	SPST-NO + SPST-NC	SPST-NO + SPST-NO	SPST-NC + SPST-NC
⬉	o—o •—•	o—o o—o	•—• •—•
⬆	o—o •—•	o—o o—o	•—• •—•
⬈	o—o •—•	o—o o—o	•—• •—•

Operation Angle

Two notches   Three notches

(75°)   90°   (45°) (45°)
45°   45°
FP   FP

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

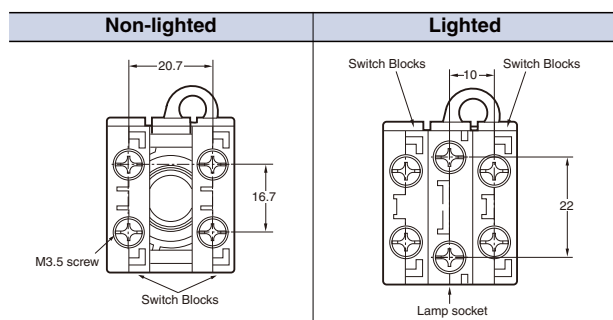**OMRON**

Dimensions

Knob-type Selector Switch (Lighted/Non-lighted)
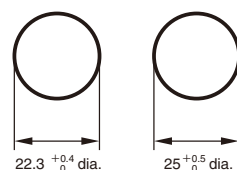
Knob-type Selector Switch	A22S/A22W	A22S-C

30 dia. 34 1.8 0.5 12 5.9 26.2 54.7

30 dia. 34 0.5 1.8 12 5.9 26.2 54.7
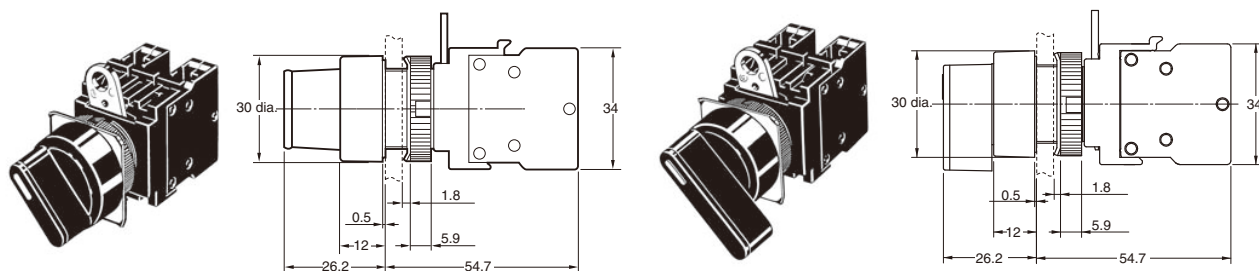
Terminal Arrangement (Bottom View)

Non-lighted	Lighted

Non-lighted: 20.7, 16.7, M3.5 screw, Switch Blocks

Lighted: Switch Blocks, 10, Switch Blocks, 22, Lamp socket

Panel Cutouts

$22.3 \, {}^{+0.4}_{0}$ dia. $25 \, {}^{+0.5}_{0}$ dia.

- 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

Type	Connection diagram
Non-lighted	Bottom view 1 3 2 4
Lighted without Voltage Reduction Unit	Bottom view 1 X1(+) 3 X 2 X2(−) 4
Lighted with Voltage Reduction Unit	Bottom view 1 X1 3 X 2 X2 4

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

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