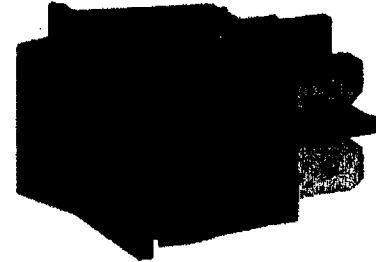


DPST-~~20~~  
maintained on-off

## Non-Lighted and Lighted Rocker Switch

### Features

- Unique leaf spring mechanism suppresses heat generation to improve safety during long power application
- Original forcible separation ensures positive contact separation, under severe conditions
- Neon lamp allows switch to be directly applied with supply voltage
- Double-break contacts with gap of 3mm incorporated in nonflammable housing
- Abundant variations of rockers and flanges allowing selection of the type best suited to the equipment where mounted
- UL, CSA, and VDE approved



### Ordering Information

Classification	Nonlighted			Lighted (Neon lamps)					
				100 to 125 VAC			200 to 240 VAC		
Flange color	White	Black	Gray	White	Black	Gray	White	Black	Gray
Lever color									
White	ABA-201	ABA-201-1	ABA-201-2	—	—	—	—	—	—
Red	ABA-202	ABA-202-1	ABA-202-2	ABA-212	ABA-212-1	ABA-212-2	ABA-222	ABA-222-1	ABA-222-2
Green	ABA-203	ABA-203-1	ABA-203-2	ABA-213	ABA-213-1	ABA-213-2	ABA-223	ABA-223-1	ABA-223-2
Blue	ABA-204	ABA-204-1	ABA-204-2	—	—	—	—	—	—
Yellow	ABA-205	ABA-205-1	ABA-205-2	—	—	—	—	—	—
Orange	—	—	—	ABA-216	ABA-216-1	ABA-216-2	ABA-226	ABA-226-1	ABA-226-2
Black	ABA-207	ABA-207-1	ABA-207-2	—	—	—	—	—	—

### Specifications

#### Contact ratings

Item	Noninductive load (A)		Inductive load (A)		Inrush current
	Resistive load	Lamp load	Inductive load	Motor load	
Rated voltage					
125 VAC	16	10	16	16	100 A max.
250 VAC	16	10	8	16	

- Note: 1. The values in this table indicate the steady-state currents.  
 2. Inductive load has a power factor of 0.4 min. (AC) and a time constant of 7msec max. (DC).  
 3. Lamp load has an inrush current of 10 times the steady-state current, while motor load has an inrush current of 6 times the steady-state current.

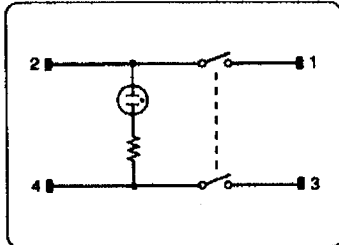
#### Neon lamp ratings

Type	Rated voltage (VAC)	Set current (mA)
ABA-21□□	100	1.5
ABA-22□□	220	1.5

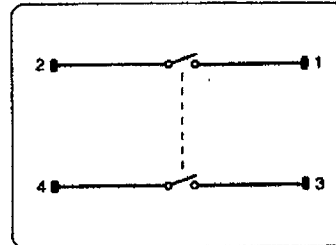
- Note: 1. The service life is 15,000 hours min.  
 2. LED lamps are also available in red. Use part number A8A-252-1.

## Contact Form

### Lighted



### Non-lighted



## Characteristics

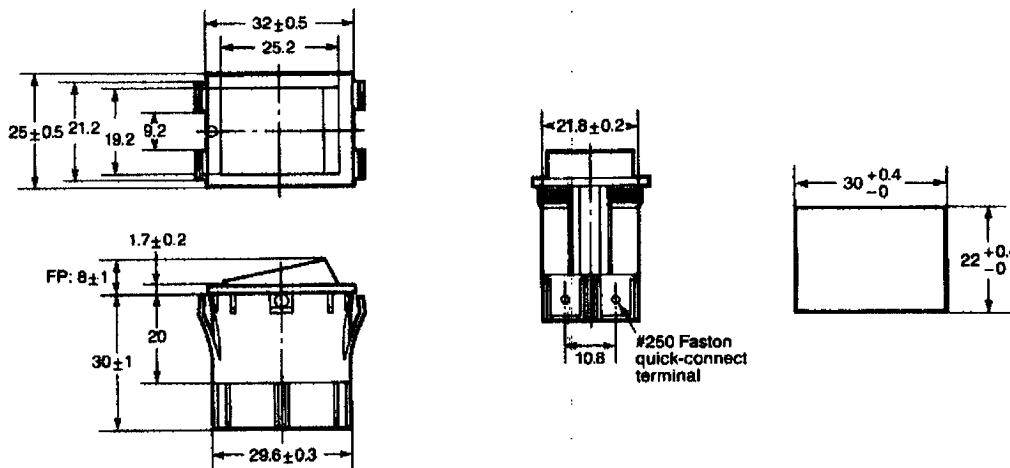
(Data shown are of initial value)

Operating speed	0.5 to 500 mm/sec
Operating frequency	Mechanical: 30 operations/min. max. Electrical: 20 operations/min. max.
Insulation resistance	100 MΩ min. (at 500 VDC)
Contact resistance	20 mΩ max. 8V / 1A
Dielectric strength	2,000 VAC, 50/60 Hz for 1 minute between terminals of same polarity 2,000 VAC, 50/60 Hz for 1 minute between terminals of different polarity* and also between each terminal and ground
Vibration	Malfunction durability: 10 to 65 Hz; 1.5 mm double amplitude
Shock	Malfunction durability: 200 m/sec <sup>2</sup> (approx. 20G's) Mechanical durability: 500 m/sec <sup>2</sup> (approx. 50G's)
Ambient temperature	Operating: -20° to +50°C
Humidity	45 to 85% RH
Service life	Mechanical: 40,000 operations min. Electrical: 20,000 operations min.
Weight	Non-lighted type: Approx. 15 g Lighted type: Approx. 16 g

Note: 1. \*The dielectric strength of the lighted type between terminals of different polarity is excluded.

## Dimensions

[Unit: mm]



### Operating characteristics

OF max.	200 g
FP	8±1 mm
OP	5±1 mm

Note: 1. Recommended panel thickness is 1.0 to 3.0 mm.

## Approved by Standards



Note that the rated values approved by each of the safety standards (e.g., UL, CSA) may be different from the performance characteristics individually defined in this catalog.

## Hints on Correct Use

### Mounting

The A8A can be mounted on a panel by one-touch. Mount the switch on the panel with the specified cutout dimensions and thickness. Do not use a warped panel or one with a protruding seam.

A mark (1.8-dia. depression) is provided on the case flange to indicate the ON side of the switch. Use this mark for reference when mounting the switch.

### Wiring

The terminal Nos. 1 and 3 of the lighted type are at the primary side. The neon lamp of the lighted type illuminates when the switch is turned ON and extinguishes when it is turned OFF.

