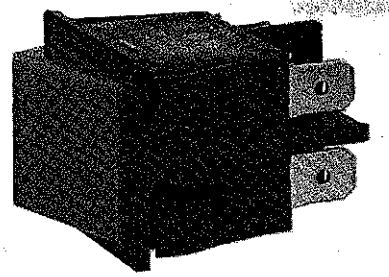
Non-Lighted and Lighted Rocker Switch

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



See page 323

Ordering Information

Classification / Flange color / Lever color	Nonlighted			Lighted (Neon lamps)					
				100 to 125 VAC			200 to 240 VAC		
	White	Black	Gray	White	Black	Gray	White	Black	Gray
White	A8A-201	A8A-201-1	A8A-201-2	—	—	—	—	—	—
Red	A8A-202	A8A-202-1	A8A-202-2	A8A-212	A8A-212-1	A8A-212-2	A8A-222	A8A-222-1	A8A-222-2
Green	A8A-203	A8A-203-1	A8A-203-2	A8A-213	A8A-213-1	A8A-213-2	A8A-223	A8A-223-1	A8A-223-2
Blue	A8A-204	A8A-204-1	A8A-204-2	—	—	—	—	—	—
Yellow	A8A-205	A8A-205-1	A8A-205-2	—	—	—	—	—	—
Orange	—	—	—	A8A-216	A8A-216-1	A8A-216-2	A8A-226	A8A-226-1	A8A-226-2
Black	A8A-207	A8A-207-1	A8A-207-2	—	—	—	—	—	—

Specifications

Contact ratings

Item	Noninductive load (A)		Inductive load (A)		Inrush current
Rated voltage	Resistive load	Lamp load	Inductive load	Motor load	
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.

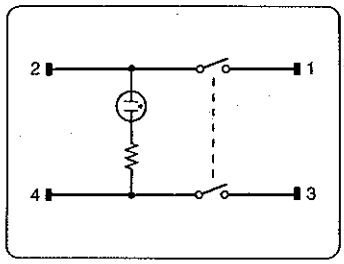
Neon lamp ratings

Type	Rated voltage (VAC)	Set current (mA)
A8A-21□□	100	1.5
A8A-22□□	220	1.5

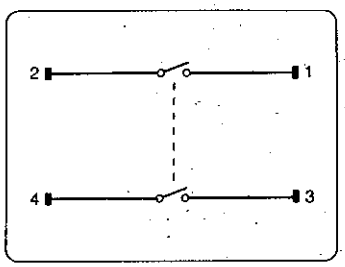
Note: 1. The service life is 15,000 hours min.
2. LED lamps are also available in red. Use part number A8A-252-1.

Contact Form

Lighted



Non-lighted



Characteristics

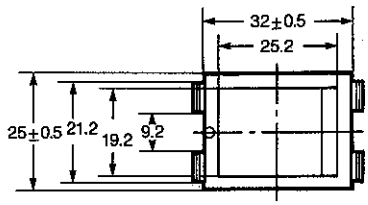
(Data shown are of initial value)

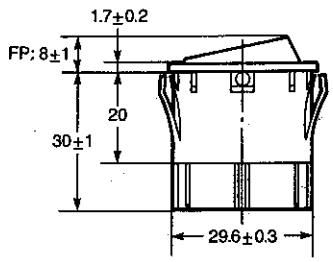
Operating speed	0.5 to 500 mm/sec
Operating frequency	Mechanical: 30 operations/min. max. Electrical: 20 operations/min. max.
Insulation resistance	100 MΩ min. (at 500 VDC)
Contact resistance	20 mΩ max. 6V / 1A
Dielectric strength	2,000 VAC, 50/60 Hz for 1 minute between terminals of same polarity 2,000 VAC, 50/60 Hz for 1 minute between terminals of different polarity* and also between each terminal and ground
Vibration	Malfunction durability: 10 to 55 Hz; 1.5 mm double amplitude
Shock	Malfunction durability: 200 m/sec² (approx. 20G's) Mechanical durability: 500 m/sec² (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

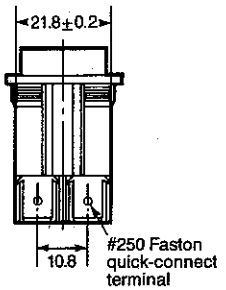
Note: 1. *The dielectric strength of the lighted type between terminals of different polarity is excluded.

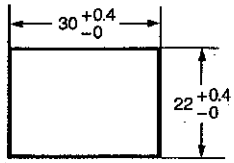
Dimensions

[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.

UL (File No. E41515) / CSA (File No. LR45258-32) / VDE (File No. 51979)

Hints on Correct Use

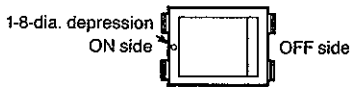
Mounting

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.



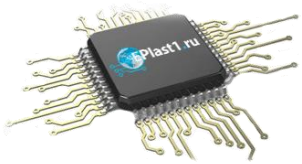
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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