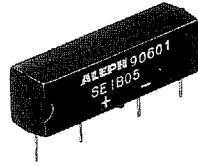
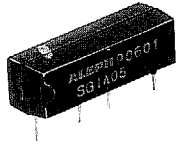


SIP Reed Relays



- Various contact configurations
- Some models offer VDE compliance, i.e., 4000 VAC isolation
- Optional shielding and diodes
- UL models available

COIL RATINGS (Tamb. = +20°C)

Part Number	Nominal Voltage (VDC)	Coil Resistance (Ω) $\pm 10\%$	Operate Voltage (VDC) max.	Release Voltage (VDC) min.	Schematics
SG 1 A □ □ A W J (D)	5 12 24	500 850 2200	3.8 9.0 18.0	0.5 1.0 2.0	
SG 1 A □ □ A W R (D) □ □ R W R (D)	5 12 24	500 (350) 850 2200 () = RWR	3.8 9.0 18.0	0.5 1.0 2.0	
SG 1 C □ □ F W S (D)	5 12 24	200 500 2000	3.8 9.0 18.0	0.5 1.0 2.0	
SG 1 A □ □ E W R (D) <i>Mercury</i>	5 12 24	150 500 1440	3.8 9.0 18.0	0.5 1.0 2.0	
SE 1 B □ □ A X J	5 12	500 500	3.8 9.0	0.5 1.0	
SE 1 B □ □ A X P	5 12	500 500	3.8 9.0	0.5 1.0	

Note — (M.S.) : Magnetic shield

● How to Order

SG1A05AWJ(D)

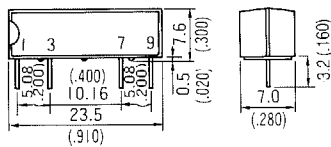
D : Diode (optional)
 W : Standard X : Magnetic shield (optional on SG series, standard on SE series)
 Power— A : 10W F : 3W (1C) E : 50W (Mercury)
 Nominal coil voltage— 5V, 12V, 24V
 Contact form— IA, IB, 1C

■ CONTACT RATINGS (resistive loads)

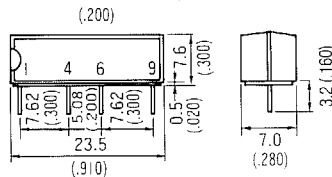
Parameters	SG1A**AWJ	SG1A**AWR	SG1A**RWR	SG1C**FWS	SG1A**EWR Mercury	SE1B**AXJ (*AXP)
Power (W) max.	10	10	10	3	50	10
Voltage (VDC) max.	200	200	500	100	500	200
Switching Current (A) max.	0.5	0.5	0.5	0.25	2.0	0.5
Carry Current (A) max.	1.0	1.0	1.0	0.5	2.0	1.0
Contact Resistance (Ω) max. (initial)	0.2	0.2	0.2	0.2	0.1	0.2
Breakdown Voltage (VDC) min.	Open Contact	250	250	1000	200	2000
	Contact to Coil	1500	4000AC	4000AC	4000AC	4000AC
Insulation Resistance (Ω) min.	Open Contact	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ⁸	10 ¹⁰
	Contact to Coil	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ¹⁰	10 ¹⁰
Operate Time (ms) max. (incl. bounce)	1.0	1.0	1.0	2.0	2.0	0.5
Release Time (ms) max.	0.5	0.5	0.5	2.5	2.0	1.0
Electrical Life	Low Level	10 ⁸ (10mVDC, 10μA)	10 ⁸ (10mVDC, 10μA)	10 ⁸ (10mVDC, 10μA)	5 × 10 ⁸ (10mVDC, 10μA)	10 ⁸ (10VDC, 4mA)
	Rated Load	6 × 10 ⁸ (20VDC, 0.5A)	6 × 10 ⁸ (20VDC, 0.5A)	5 × 10 ⁸ (500VDC, 20mA)	2 × 10 ⁸ (12VDC, 0.25A)	10 × 10 ⁸ (500VDC, 20mA)

■ DIMENSIONS Unit : mm (inch)

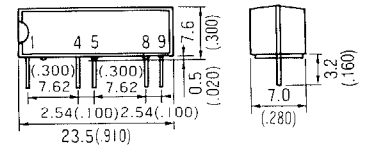
SG1A**AWJ



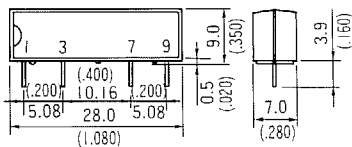
SG1A**AWR, RWR, EWR



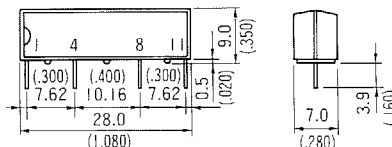
SG1C**FWS



SE1B**AXJ



SE1B**AXP



* Lead 0.5 × 0.25 (.020 × 0.10)