

■ Features

- Molded epoxy body
- DIP type construction with the same terminal pitch as ICs or TTLs simplifies PC board designing. In addition, the high sensitivity allows direct driving by TTL, etc.
- Automatic insertion compatible
- Sealed construction permits automatic flow soldering and cleaning
- Magnetic shield is available

UL E155513
 C-UL E155513



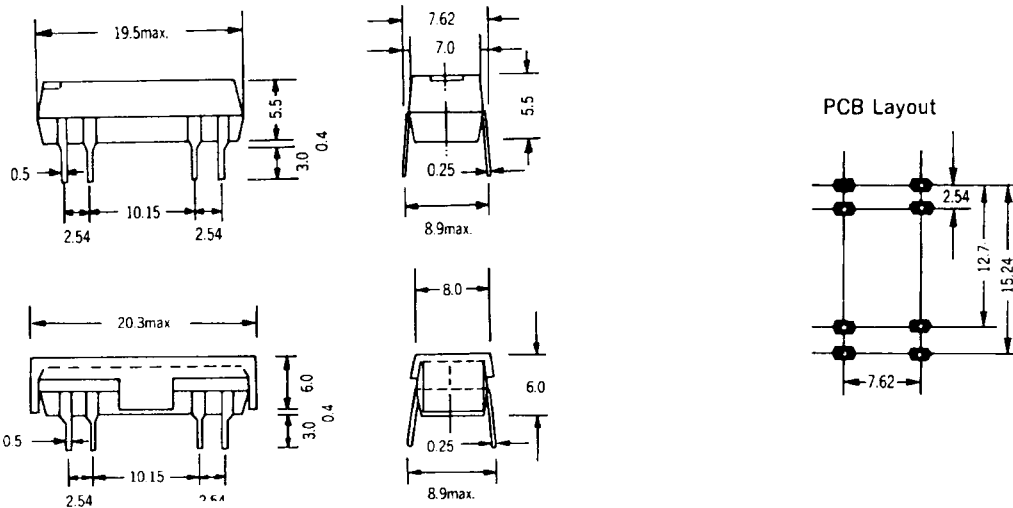
■ Coil Rating (20°C)

Contact Form	Part Number	Nominal Voltage (VDC)	Coil Resistance (Ω) ± 10%	Must Operate (VDC)	Must Release (VDC)	Rated Current (mA)	Continuous Voltage (Max)	Special Features
1A SPST-NO	D1A0510	5	500	3.75	1.0	10	10	standard
	D1A1210	12	1000	9.0	1.2	12	20	standard
	D1A2410	24	2150	18.00	2.4	11.1	28	standard
	D1A051D	5	500	3.75	1.0	10	10	with diode
	D1A121D	12	1000	9.0	1.2	12	20	with diode
	D1A241D	24	2150	18.00	2.4	11.1	28	with diode
1B SPST-NC	D1B0510	5	500	3.75	1.0	10	7	standard
	D1B1210	12	1000	9.00	1.2	12	15	standard
	D1B2410	24	2150	18.00	2.4	11.1	28	standard
	D1B051D	5	500	3.75	1.0	10	7	with diode
	D1B121D	12	1000	9.00	1.2	12	15	with diode
	D1B241D	24	2150	18.00	2.4	11.1	28	with diode
2A DPST-NO	D2A0510	5	140	3.75	1.0	35.7	10	standard
	D2A1210	12	500	9.00	1.2	24	20	standard
	D2A2410	24	2150	18.00	2.4	11.1	28	standard
	D2A051D	5	140	3.75	1.0	35.7	10	with diode
	D2A121D	12	500	9.00	1.2	24	20	with diode
	D2A241D	24	2150	18.00	2.4	11.1	28	with diode
1C SPDT-CO	D1C0510	5	200	3.75	1.0	25	10	standard
	D1C1210	12	500	9.00	1.2	24	20	standard
	D1C2410	24	2150	18.00	2.4	11.1	28	standard
	D1C051D	5	200	3.75	1.0	25	10	with diode
	D1C121D	12	500	9.00	1.2	24	20	with diode
	D1C241D	24	2150	18.00	2.4	11.1	28	with diode

■ Specifications

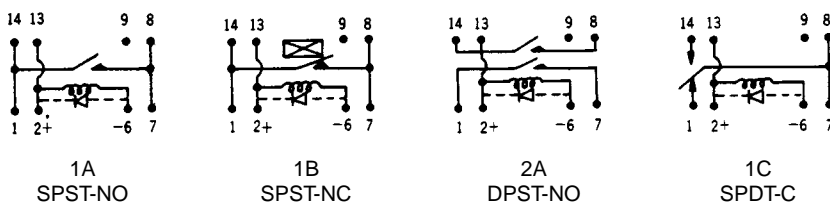
Item	Contact Form	2A 1A 1B	1C
Contact Resistance		100mW max. initial	150mW max. initial
Operate Time		0.5msec max.	1.0msec max.
Bounce Time		0.5msec max.	2.0msec max.
Release Time		0.2msec max.	0.2msec max.
Insulation Resistance		10 ¹¹ W min.	10 ¹¹ W min.
Power		10VA max.	3VA max.
Switching Voltage		200VDC max.	100VDC max.
Switching Current		0.5Amps max.	0.25Amps max.
Carry Current		1.0Amps max.	0.5Amps max.
Life Expectancy		10 ⁸ (signal level)	5 x 10 ⁷ (signal level)
Minimum Breakdown Voltage		250VDC across open contact	200VDC across open contact
		500VDC between coil and contact	500VDC between coil and contact
Operating Temperature		-40°C ~ +85°C	-40°C ~ +85°C
Storage Temperature		-50°C ~ +125°C	-50°C ~ +125°C
Minimum Permissible Load		100mVDC 10 µA	100mVDC 10 µA
Vibration		20g (10 ~ 2000Hz)	20g (10 ~ 2000Hz)
Shock		30g (11ms. 1/2 sin wave)	30g (11ms. 1/2 sin wave)
Resonant Frequency		3.5KHz	3.5KHz

■ Dimensions



(With Magnetic Shield).

Circuit Schematic Top View



For Ordering Magnetic Shield Option
 Replace 7th digit, 0 as shown below:
 Standard + Shield = M ie, D1A051M
 Diode + Shield = X ie, D1A051X