



REED SIP/DIP RELAIS

DIP SPECIFICATIONS COIL RATINGS (20°C)

Contact Form	Part Number	Nominal Voltage (VDC)	Coil Resistance $\pm 10\%$	Must Operate (VDC)	Must Release (VDC)	Rated Current (mA)	Continuous Voltage (max)	Circuit Schematic
	1A D1A05(D)	5	500	3.75	1.0	10	10	
SPST-NO	D1A12(D)	12	1000	9.00	1.2	12	20	
	D1A24(D)	24	2150	18.00	2.4	11.1	28	
	1B D1B05(D)	5	500	3.75	1.0	10	7	
SPST-NC	D1B12(D)	12	1000	9.00	1.2	12	15	
	D1B24(D)	24	2150	18.00	2.4	11.1	28	
	2A D2A05(D)	5	140	3.75	1.0	35.7	10	
DPST-NO	D2A12(D)	12	500	9.00	1.2	24	20	
	D2A24(D)	24	2150	18.00	2.4	11.1	28	
	1C D1C05(D)	5	200	3.75	1.0	25	10	
SPDT-CO	D1C12(D)	12	500	9.00	1.2	24	20	
	D1C24(D)	24	2150	18.00	2.4	11.1	28	

D): Clamp diode optional

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	1A S1A05(D)	5	500	3.75	1.0	10	10	
SPST-NO	S1A12(D)	12	1000	9.00	1.2	12	20	
	S1A24(D)	24	2000	18.00	2.4	12	28	

(S): Shielded (D): Clamp diode optional Form B SIP Available

CHARACTERISTICS

Contact Form Item	2A, 1A, 1B	1C
Contact Resistance	100mOhm max. (initial)	150mOhm 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 (min)	10 ¹¹ (min)
Contact Material	Rhodium	Rhodium
Power	10VA max.	3VA max.
Switching Voltage	200VDCmax.	100VDCmax.
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)
Breakdown Voltage	DC250V across open contact DC500V between coil and contact	DC200V across open contact DC500V between coil and contact
Operating Temp	- 40 ~ 85°C	- 40 ~ 85°C
Storage Temp	- 50 ~ 125°C	- 50 ~ 125°C
Minimum Permissible Load	100mVDC 10mA	100mVDC 10mA
Vibration	20g (10 ~ 2000Hz)	20g (10 ~ 2000Hz)
Resonant Frequency	3.5 KHz	3.5KHz