

**FEATURES**

- Solid Epoxy Body
- Industry standard DIP spacing
- Automatic insertion compatible
- Completely sealed, Immersion cleanable
- Magnetic shield available
- Diode across the coil available
- UL recognized and certified for Canada

**RU** <sup>®</sup> **c** **RU** <sup>®</sup> File # E86876

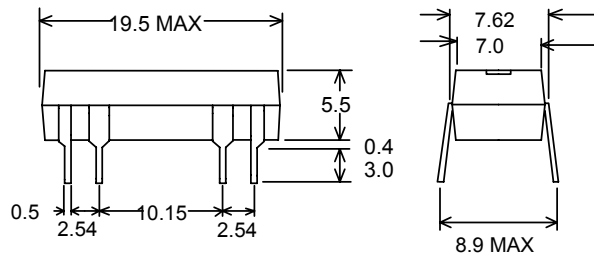
CHARACTERISTICS	1A, 1B, 2A	1C
Contact Resistance	100 milliohms Max. initial	150 milliohms Max. initial
Operate Time	0.5 mSec. Max..	1.0 mSec. Max.
Bounce Time	0.5 mSec. Max.	2.0 mSec. Max.
Release Time	0.2 mSec. Max.	0.2 mSec. Max.
Insulation Resistance	10 <sup>11</sup> Ohm Min.	10 <sup>9</sup> Ohms Min.
Power	10 VA Max.	3 VA Max.
Switching Voltage	200 VDC Max.	100 VDC Max.
Switching Current	0.5 Amps Max.	0.25 Amps Max.
Carry Current	1.0 Amps Max.	0.5 Amps Max.
Life Expectancy	10 <sup>8</sup> (Signal Level)	5X10 <sup>7</sup> (signal level)
Minimum Breakdown Voltage	250 VDC Across open contacts	200 VDC across open contacts
	500 VDC Between coil and contacts	500 VDC between coil and contacts
Operating Temperature	- 40 to +85 Degrees C.	-40 TO +85 Degrees C
Storage Temperature	-50 to +125 Degrees C	-50 TO +125 Degrees C
Minimum Permissible Load	100m VDC / 10 microamps	100 mVDC / 10 microamps
Vibration	20 G (10 TO 2,000HZ)	20 G (10 TO 2,000HZ)
Shock	30 G (11ms 1/2 sine wave)	30 G (11ms 1/2 sine wave)
Resonant Frequency	3.5 K HZ	3.5 K HZ

COIL RATINGS @ 20 DEGREES C

Contact Form	Part Number	Nominal Voltage (VDC)	Coil Resistance ±10%	Must Operate (VDC)	Must Release (VDC)	Rated Current (mA)	Continuous Voltage (Max)	Special Features	Circuit Schematic Top View
1A SPST-NO	D1A050000	5	500	3.75	1.0	10	10	Standard	
	D1A120000	12	1000	9.0	1.2	12	20	Standard	
	D1A240000	24	2150	18.00	2.4	11.1	28	Standard	
	D1A050D00	5	500	3.75	1.0	10	10	With Diode	
	D1A120D00	12	1000	9.0	1.2	12	20	With Diode	
	D1A240D00	24	2150	18.00	2.4	11.1	28	With Diode	
1B SPST-NC	D1B050000	5	500	3.75	1.0	10	7	Standard	
	D1B120000	12	1000	9.0	1.2	12	15	Standard	
	D1B240000	24	2150	18.00	2.4	11.1	28	Standard	
	D1B050D00	5	500	3.75	1.0	10	7	With Diode	
	D1B120D00	12	1000	9.0	1.2	12	15	With Diode	
	D1B240D00	24	2150	18.00	2.4	11.1	28	With Diode	
2A DPST-NO	D2A050000	5	140	3.75	1.0	35.7	10	Standard	
	D2A120000	12	500	9.0	1.2	24	20	Standard	
	D2A240000	24	2150	18.00	2.4	11.1	28	Standard	
	D2A050D00	5	140	3.75	1.0	35.7	10	With Diode	
	D2A120D00	12	500	9.0	1.2	24	20	With Diode	
	D2A240D00	24	2150	18.00	2.4	11.1	28	With Diode	
1C SPDT-CO	D1C050000	5	200	3.75	1.0	25	10	Standard	
	D1C120000	12	500	9.0	1.2	24	20	Standard	
	D1C240000	24	2150	18.00	2.4	11.1	28	Standard	
	D1C050D00	5	200	3.75	1.0	25	10	With Diode	
	D1C120D00	12	500	9.0	1.2	24	20	With Diode	
	D1C240D00	24	2150	18.00	2.4	11.1	28	With Diode	

For magnetic shield option, show The letter M in the seventh position of the part number. Example: D1A050M00.  
 For magnetic shield and a diode use the letter X. Example: D1A050X00.  
 For type 1 (pins 2 and 13 connected internally) place the number 1 in position 6. Example: D1A051000

DIMENSIONS IN MM



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